

XC Tigra Owner's Handbook

XC TIGRA



Vehicle Identification Certificate

Owner's name

Owner's address

Town

State

Postcode

Vehicle Identification Number (17 character ISOVIN)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Model name

Registration number

Engine number

Odometer reading

Date of purchase

Selling Retailer's Stamp and Signature

GM Holden Ltd, ABN 84 006 893 232 (hereinafter Holden)

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, Holden may need to contact you as the owner of this vehicle. Also, if less than three years old, this vehicle will qualify for Roadside Assistance, refer to Chapter 9.

If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the form on the third page of this handbook.

For information about GM Holden's privacy policy or to update owner details online, please visit Holden's website at www.holden.com.au

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ABN 84 006 893 232

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We thank you for choosing Holden and want to assure you of our continuing interest in your motoring pleasure and satisfaction and compliment you on your choice.

This handbook applies to all Tigra models. Due to different models and options, you may find reference in this handbook to some equipment not installed in your own vehicle.

Please note that all information, illustrations and specifications in this handbook are based on the latest production information available at the time of printing.

Holden reserves the right to make changes at any time without notice and without incurring any obligation.

CHANGE OF ADDRESS OR OWNERSHIP

Please fill in the form below if you have changed your name, address, bought the vehicle second-hand, or have become the new driver.

Holden requires these details in order to contact the operator in the event of a safety recall and to keep the initial 3 year Roadside Assistance details up to date (refer to Chapter 9). For information about Holden's privacy policy, please visit Holden's website at www.holden.com.au.

Please mail to the address on the back of this page.

Please tick the appropriate box:

☐

Original Owner

☐

Subsequent Owner

Title: (Mr, Mrs, Miss, Ms.)

First name in full or initials

Surname or Name of Company/Institution/Government Department

Address

Street/box

City/Town

State

Postcode

1st contact phone no

2nd contact phone no

Email address

Vehicle registration number

Holden number (if fitted – refer to Chapter 8)

ISOVIN Number (Refer to Chapter 8)

Place in an envelope and mail to:

The Manager - Warranty Administration
Service Department
GM Holden Ltd
Box 548D, G.P.O.
Melbourne
Victoria, 3001

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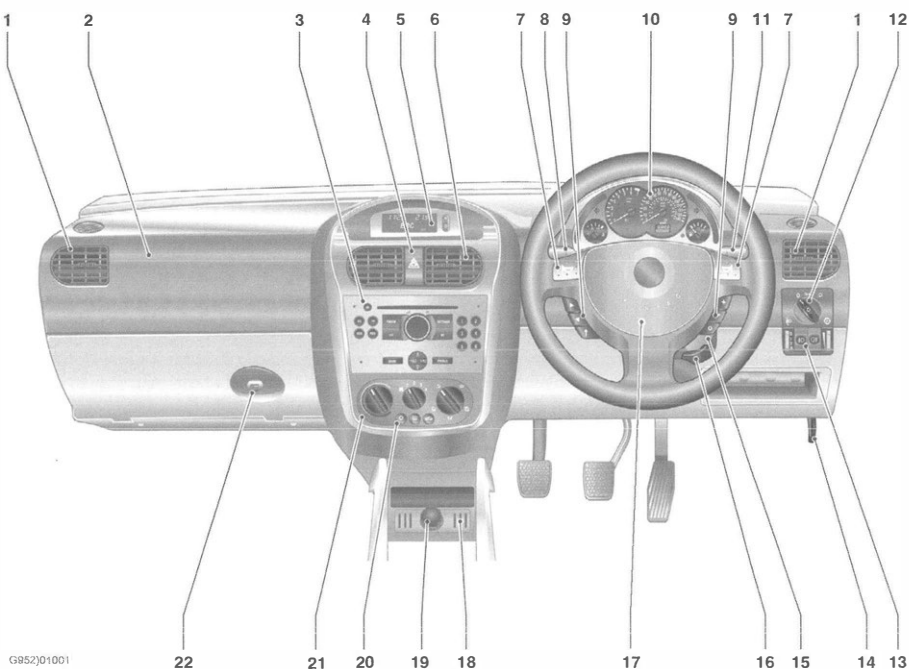
The Manager - Warranty Administration
Service Department
GM Holden LTD
Box 548D, G.P.O.
Melbourne
Victoria, 3001

Dashboard

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TILT STEERING AND HORN

Tilt steering

The lock lever is located directly beneath the ignition lock.

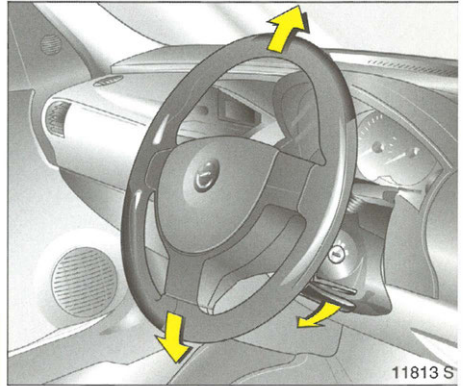
Move the lock lever downwards.

Grasp the steering wheel and move as required. It can be moved up or down.

When in position, move the lock lever back up as far as it will go. 'Jiggle' the steering wheel to ensure it has locked securely before driving.

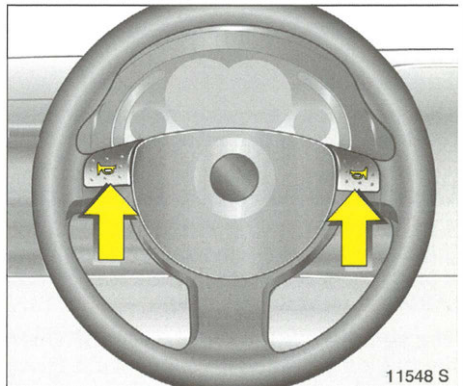
WARNING:

As with all the other driver position controls, do not attempt to adjust the steering wheel while driving.

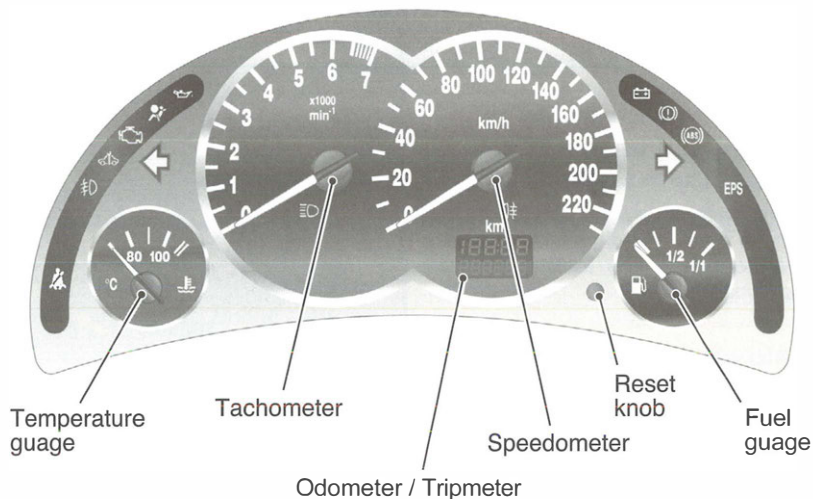


Horn

The horn is activated by pressing the  symbol, on either side of the steering wheel.



GAUGES



Speedometer

The speedometer indicates vehicle speed in kilometres per hour.

Tachometer

The tachometer shows engine speed in revolutions per minute (rpm). Operation in the red zone may cause serious engine damage.

Odometer / service reminder / tripmeter

A small window in the speedometer is used for the odometer, the service reminder and the tripmeter. When the ignition is off, you can view the odometer and the tripmeter for a few seconds by pressing the reset knob. The **odometer** records kilometres travelled since the vehicle was built.

The **service reminder** displays **InSP** when the engine is started if a scheduled service is due within 1500 km and for a few seconds if the vehicle is within 500 km of the next service. Refer to Chapter 12, Servicing.

The **tripmeter** (above the odometer) records kilometres travelled on a particular trip. To zero the reading, press the reset knob while the ignition is on.



GAUGES cont.

Engine temperature gauge

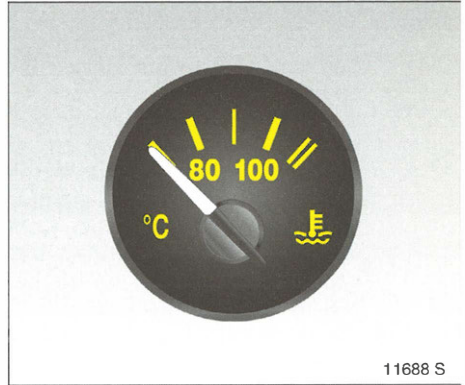
The temperature gauge indicates the engine coolant temperature.

If the pointer is to the left of the 80 mark, the engine is not yet at operating temperature.

If the pointer is between the 80 mark and the 100 mark, the engine is at normal operating temperature.

If the pointer moves to the right of the 100 mark for more than 30 seconds, the engine temperature is too high.

If this occurs, stop the vehicle as soon as it is safe to do so. Refer to Chapter 6, Engine Overheating.



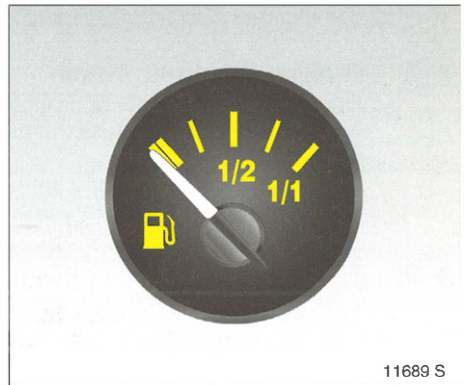
Fuel gauge

Refer to Chapter 8 for the fuel tank capacity.

Add fuel to the tank when the gauge indicates low fuel or when the fuel pump icon illuminates.

If the pointer moves into the red zone or the fuel pump icon flashes, add fuel to the tank immediately. Refer to Chapter 5.

Note: Never let the tank become empty; this can cause damage to the exhaust system components.



Instrument lighting

When the parking lamps or headlamps are switched on, adjust the instrument brightness by turning the thumb wheel located on the lower right-hand side of the headlamp switch.



WARNING / REMINDER LIGHTS**Check engine fault**

Your vehicle is fitted with an Electronic Engine Management System. This light illuminates when the ignition is switched on and goes off shortly after the engine starts to run.

If it illuminates when driving, service to the Engine Management System may be required. Stop the vehicle, switch the engine off and restart. If the light continues to flash, consult a Holden Dealer.

Although the vehicle may still be drivable and not require towing, see a Holden Dealer as soon as possible. Continued driving could affect fuel consumption, engine performance or may damage the catalytic converter.

If the light flashes and the engine cannot be started, it indicates a fault with the electronic immobiliser, refer to Chapter 2, Locks.

**Battery**

Illuminates when the ignition is switched on. Extinguishes when the engine is started and the engine speed is increased above idle speed.

If it illuminates when driving, the battery is not being charged properly (engine cooling may also be affected). Consult a Holden Dealer as soon as possible.

**Brakes, hydraulic clutch**

Illuminates for a few seconds when the ignition is switched on. It will extinguish after a few seconds unless the park brake is applied or the brake / clutch fluid levels are low.

If it lights during driving and the park brake is not applied, you should stop the vehicle as soon as possible and consult a Holden Dealer.

**Emissions**

Your vehicle is fitted with an emission monitoring system. The emission warning light indicates when system service is required. The light illuminates when the ignition is switched on and goes off shortly after the engine starts to run.

If the light illuminates when driving, service to the emission system may be required. Although the vehicle may still be driveable and not require towing, consult a Holden Dealer as soon as possible.

However, if the light flashes while driving, reduce speed until the light stops flashing and consult a Holden Dealer as soon as possible.

**Low fuel**

Illuminates when the fuel gauge enters the red zone (earlier when driving around corners). If the light flashes, add fuel immediately.

WARNING / REMINDER LIGHTS cont.**Oil pressure**

Illuminates when ignition is switched on and goes off after the engine is started. It can light up intermittently when idling if engine is hot, but must go out when engine speed is increased. If the light illuminates when driving, stop the vehicle immediately and switch off the engine. Check the engine oil level. Refer to Chapter 7. Do not drive with this light illuminated. If the oil level is normal, have the system checked at the nearest Holden Dealer.

Fog lamps

Illuminates when the front fog lamps are switched on.



Illuminates when the rear fog lamp is switched on.

**High beam**

Illuminates when the high beam headlamps are in use or are flashed.

**Left and right turn signal indicators**

The respective arrow (left or right) flashes when the turn signal lamps are in use. If the lamp flashes rapidly, a turn signal bulb may have failed.

**Seat belt**

This warning light illuminates for a short time when the ignition is first switched on. This warning is designed to remind occupants to fasten their seat belts.

**Airbag and seat belt pretensioners**

Illuminates for a few seconds when the ignition is switched on. If it does not extinguish or if it illuminates when driving, there is a defect in the airbag / seat belt pretensioner system. They may not function correctly, especially in an accident. Consult a Holden Dealer as soon as possible.

EPS Electronic power steering (EPS)

The EPS light remains illuminated when the ignition is switched on and goes off after the engine is started. If it illuminates when driving, a fault has occurred in the EPS system. You may continue to drive but greater effort will be required to turn the steering wheel. Consult the nearest Holden Dealer.

**Anti-lock braking system (ABS) (if fitted)**

The ABS light illuminates for a few seconds when the ignition is switched on. If it does not go out or if it comes on during driving, there is a defect in the ABS. The brake system is operational but without ABS assistance. You should consult a Holden Dealer as soon as possible.

WIPERS AND WASHERS

Windscreen wipers

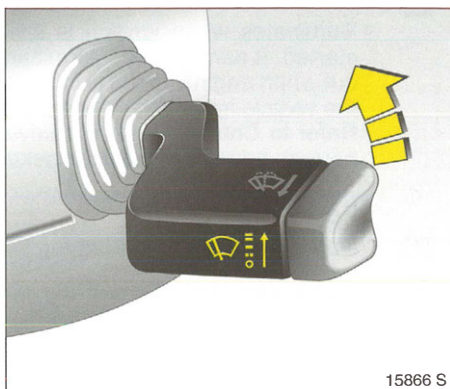
Move the lever upwards.

- Fast
- Slow
- - Intermittent
- O Off

To set the intermittent wipe interval between 2 and 15 seconds:

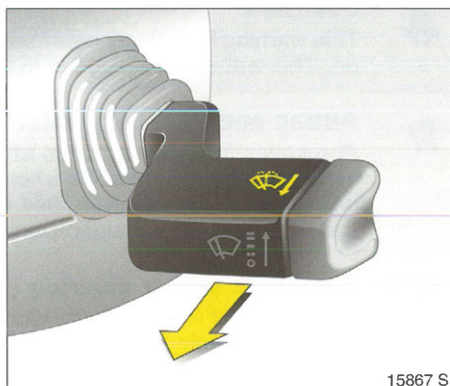
1. Set the lever to intermittent.
2. Set the lever to off.
3. Wait for the number of seconds interval you wish to set.
4. Set the lever back to intermittent.

The selected intermittent interval is stored until it is changed again or until the ignition is switched off. When the ignition is switched on, the interval is preset to 7 seconds.



Windscreen washer

Never operate the wipers on dry glass as this can damage the rubber wiper blades. To spray washer fluid onto the windscreen pull the lever toward you. At the same time the wipers are operated for several sweeps.



EXTERIOR LAMPS

Lamp switch

0 Off.

 Parking lamps.

 Headlamps and parking lamps.

 Press the switch to turn on the interior light. Press the switch again to turn off the light.

 Turn the thumb-wheel to adjust the brightness of the instrument lights.



High / low beam

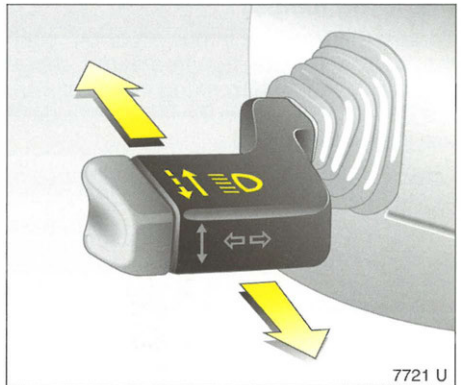
With headlamps switched on, push the lever away from you and release it. The headlamps change from low to high beam.

Pull the lever back towards the steering wheel to return to low beam.

When high beam is in use, a light on the instrument panel illuminates.

It is also possible to flash the high beam for signalling purposes by pulling the lever towards you (even with the headlamps turned off). The lamps remain in high beam as long as the lever is held in this position.

Leaving the headlamps on without the engine running will eventually flatten the battery.



A warning chime will remind you to switch off the headlamps when leaving the vehicle.

Headlamp range adjustment

The headlamp range may be adjusted to suit the current load in the vehicle by selecting 0, 1, 2 or 3 when the headlamps are on.

Correct adjustment of the headlamp range reduces dazzle for other road users.

0 Driver's seat occupied.

1 Driver and passenger seats occupied.

2 All seats occupied and full load in the luggage compartment.

3 Position 3 is not used.



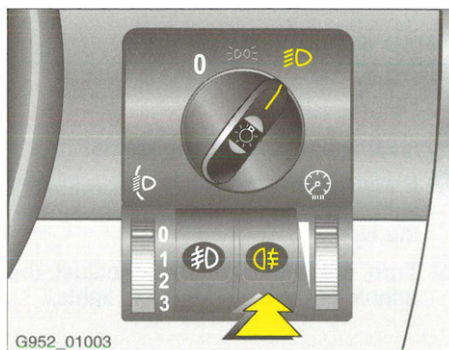
EXTERIOR LAMPS cont.

Rear fog lamp

The push button for the rear fog lamp is located below the headlamp switch beside the instrument dimming switch.

Push the button while the headlamps are on to switch the rear fog lamp on or off. The $\text{Q}\#$ light in the instrument panel glows when the fog lamp is switched on.

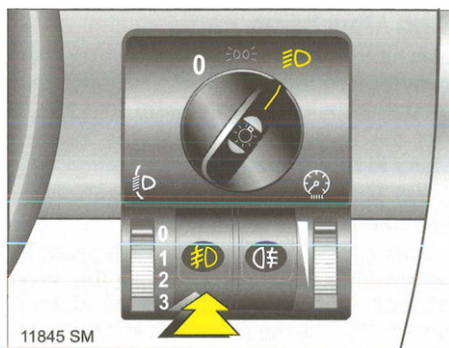
Check your state laws regarding the use of fog lamps.



Front fog lamps

To turn the front fog lamps on or off, push the button beside the headlamp range adjuster. When the front fog lamps are on, the $\text{D}\#$ light appears on the left-hand side of the instrument panel.

Check your state laws regarding the use of fog lamps when driving.



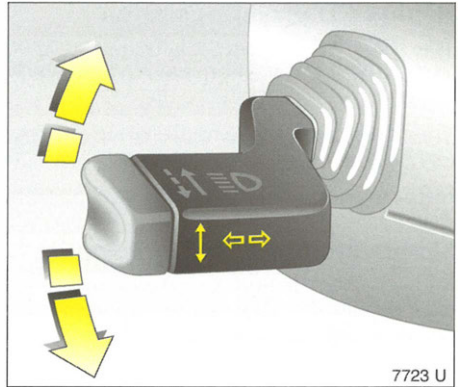
EXTERIOR LAMPS cont.

Turn signal indicators

Push the lever up or down (as required) to signal a turn.

In some turns (such as changing lanes) the steering wheel is not turned far enough to cancel the turn signal. So, to indicate a lane change, move the lever part way and hold. The lever will return to the neutral position when released.

To signal a turn, push the lever in the same direction that you intend to turn the steering wheel.



Hazard warning flasher

Push the button to switch on or off.

Use the hazard warning flasher to warn other drivers if your vehicle becomes a traffic hazard, day or night.

When the hazard warning system is on, the  light flashes in unison with the exterior turn signals.

Use of the hazard warning flashers while the vehicle is moving is illegal in some states.



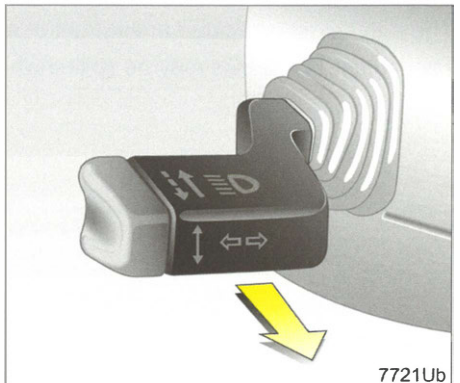
Lamps off delay

The low beam headlamps and the reversing lamps can be set to turn off 30 seconds after leaving the vehicle. This feature is of particular benefit when parking in unlit parking areas, driveways and garages.

After removing the ignition key and opening the driver's door, pull the turn signal lever towards the steering wheel, as illustrated.

Cancel this feature by inserting the key into the ignition.

Note: If the driver's door is left open, the lamps will turn off after two minutes.



RADIO / CD PLAYER AND CUP HOLDER

Radio / CD player operation

The radio will stay on until the key is removed from the ignition. Therefore, remember to remove the key when leaving the vehicle for any length of time or you may flatten the battery.

The radio can also be heard when the key is removed from the ignition by pressing the ON button. In this case, the radio will automatically switch off after one hour.

Refer to the audio instructions for operating your radio / CD player.

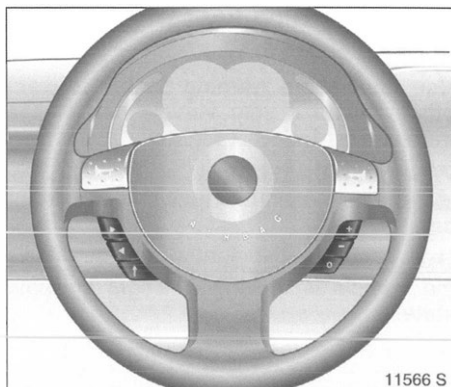
Mobile phones and CB radios

Mobile phones and CB radio equipment which use an integrated antenna may temporarily affect the vehicle electronics when used inside the vehicle due to interference created when transmitting.

Therefore, only mobile phones and CB equipment that use an antenna fitted to the outside of the vehicle should be used.

Steering wheel mounted audio controls

The audio system functions can be operated by buttons mounted on the left and right side of the steering wheel. The audio system is operated as described in the operating instructions supplied.



Cup holder

The cup holder is located in the front centre console.

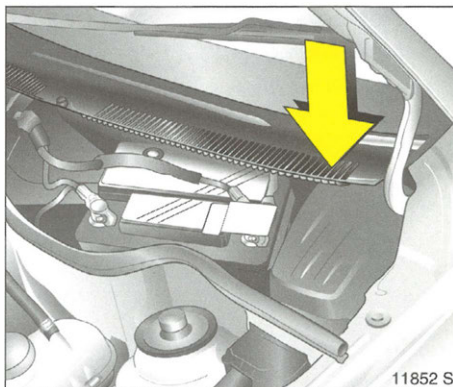
Remember that drinks may be spilled when you drive off.

VENTILATION AND HEATING

Ventilation air inlet

The vehicle features a flow through ventilation system for your comfort. Under reasonable conditions, it should be unnecessary to open the windows.

Outside air is drawn into the vehicle through the opening at the base of the windscreen. Do not allow this opening to become clogged with debris, such as leaves or snow.



Pollen filter

The pollen filter is located in the air intake vent. The filter removes dust, soot, pollen and spores from the inflowing outside air.

The activated charcoal coating largely eliminates odours and polluting environmental gases from the air.

Note: The filter must be replaced at the intervals specified in the maintenance schedule. Refer to Chapter 12.

Demist and foot level vents

The demist and foot vent outlets are not adjustable as they direct air to the windscreen, windows or feet in the best way.



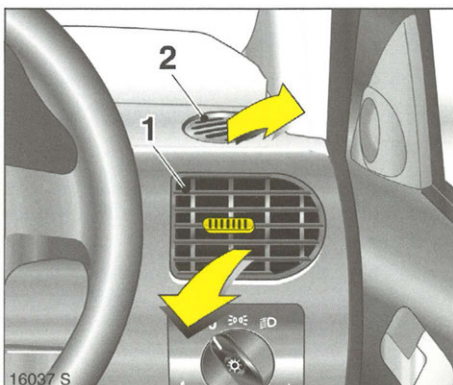
Face level centre vents

The face level centre vents are adjustable. They can be swivelled and tilted as required. They can also be completely shut off by sliding the adjuster towards the centre of the dashboard.

When the temperature dial is set to the centre position, air from the centre vents is cooler than the air emitted from the side vents.

Face level side vents

The face level side vents (1) can be swivelled and tilted as required. They can also be completely shut off by sliding the adjuster towards the centre of the dashboard. When the vent dial is set to demist, air will be directed through the demist vents (2) onto the windscreen and door windows.

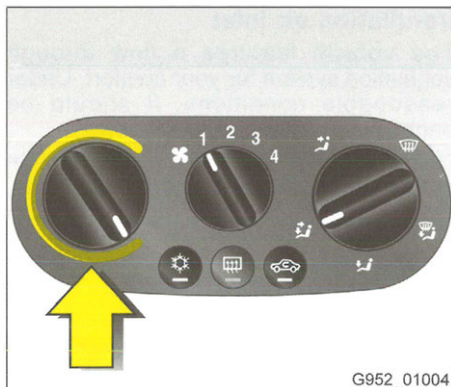


VENTILATION AND HEATING cont.

Temperature dial

Anticlockwise = cool

Clockwise = warm

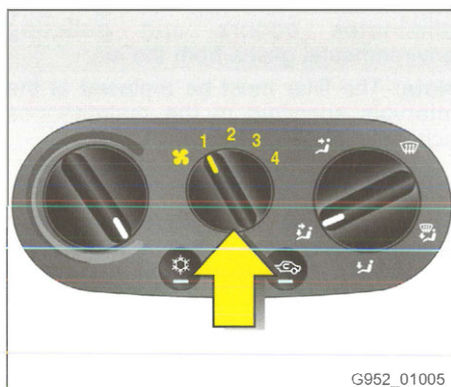


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Fan dial

OFF plus four fan speeds are provided.

Note: The rate of air flow is determined by vehicle speed as well as by the fan.



G952_01005

Vent dial

 Air from demist vents.

 Air from demist and foot vents.

 Air from foot vents.

 Air from face and foot vents.

 Air from face-level vents.

To provide for individual requirements, the switch can be set to any intermediate position.

Note: The air will flow from the face vents with all vent dial positions, provided the vents are open.

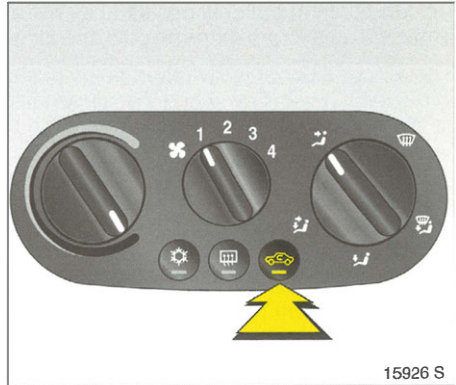


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VENTILATION AND HEATING cont.**Air intake button**

Push the  button to switch between recirculated and outside air. The  light illuminates when recirculate is selected.

When following another vehicle on dusty roads or to prevent exhaust fumes or odours from entering your vehicle, select recirculation. However, when driving on unsealed roads but where the dust is not airborne, select fresh air. All windows must be closed and the fan preferably on a high speed so that positive air pressure in the vehicle helps prevent dust from being sucked in.



15926 S

The recirculate selection reuses interior air and is therefore not recommended for long periods of time. If occupants are smoking, it is recommended that recirculate is not selected, as the tobacco smoke adheres to the air ducts and may produce stale smelling air.

Heating

- Air conditioning switch off.
- Air intake button to fresh air position.
- Temperature dial as required.
- Fan as required, but not full speed.
- Vents dial to foot vents.

Note: Heat will not be available until the engine warms up. Therefore, keep vents closed until the engine has warmed up, then direct vents towards side windows (if required) to aid demisting.



G952_01007

Ventilation without using air conditioning

Use these settings to conserve fuel when air does not require cooling.

- Air conditioning switch off.
- Air intake button to fresh air position.
- Turn temperature dial to cold.
- Fan speed as required.
- Set vents dial to face-level.
- Open all vents.



G952_01008

AIR CONDITIONING

Air conditioning not only cools the air but also removes moisture. If the temperature dial is moved away from extreme cold, the air will then be reheated before entering the cabin.

The air conditioner is switched on by pushing the button with the snowflake light. A light in the switch will glow when the air conditioner is operating. The fan automatically runs at low speed, which can be increased if required.

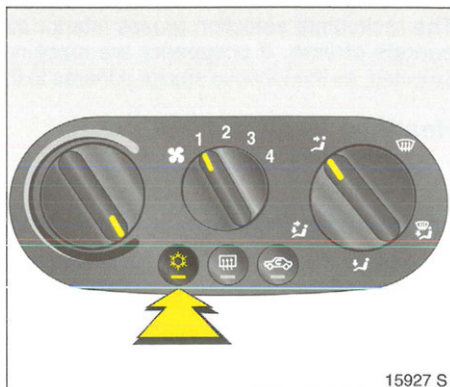
The air conditioning system operates only in the temperature ranges in which it is required; it switches off automatically when the outside temperature is below + 4°C.

To conserve fuel, switch off the air conditioning in cold weather. However, once a month (with the engine running) switch the air conditioner on for 5 to 10 minutes, even in winter. This will lubricate the air conditioning system.

At least one vent must be open when the air conditioning is on, so that the evaporator does not ice up due to a lack of air movement.

Normal cooling

- Air conditioning switch on.
- Air intake button to fresh air position.
- Turn temperature dial to cold.
- Fan speed as required.
- Set vents dial to face-level.
- Open all vents.



Maximum cooling

For maximum cooling in hot weather or when the vehicle has been left in the sun, open the windows briefly so that warm air can escape quickly.

- Air conditioning switch on.
- Air intake button in recirculate position.
- Turn temperature dial to cold.
- Fan to highest speed.
- Set vents dial to face-level.
- Open all vents.



Do not have recirculation selected for long periods as no outside air is drawn into the vehicle. Cabin air is recirculated and can become stale.

DEMISTING

Windscreen demisting

- Air conditioning switch on
- Air intake button to fresh.

Note: Air intake will automatically switch from recirculation to fresh air when the vents dial is rotated to demist mode.

- Temperature dial to hot.
- Fan to speed 2 or more.
- Vents dial to demist or to demist and foot level vents.
- Close all dashboard vents.

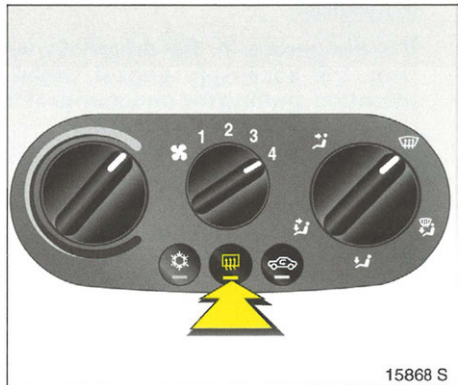


Rear window demisting

Demisting is provided for the rear window. Press the switch to turn demisting on or off.

A light in the switch glows when demisting is operating.

Demisting operates when the ignition is on.



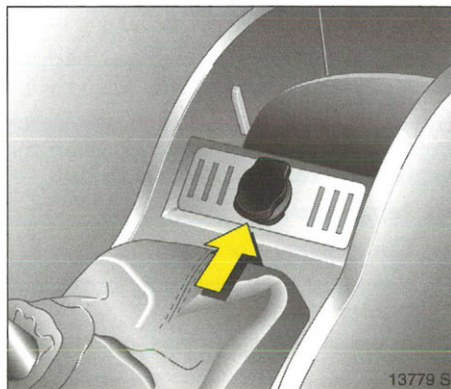
ACCESSORY SOCKET

Accessory socket

An accessory socket is located in the centre console.

The accessory socket is operational when the ignition is switched on. Use of the socket discharges the battery if the engine is not running.

Note: Any accessory device (mobile phone, car fridge, for example) connected to the accessory socket must not exceed a current draw of 10 amps.



WARNING:

It is dangerous for the driver of a vehicle to attach or remove accessories from the accessory socket whilst driving. It may distract the driver's attention, putting the occupants of the vehicle and other road users at risk.

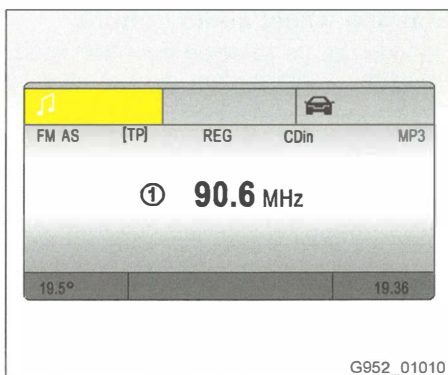
GRAPHICAL INFORMATION DISPLAY

Graphical information display

The graphical information display shows the time, the outside temperature and the date or infotainment system details, if it is ON.

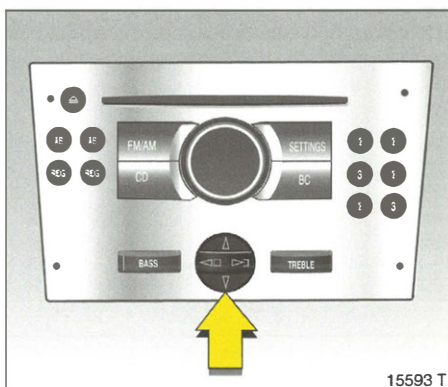
The information display is activated when the ignition or infotainment system is switched ON. Brightness can be adjusted using the thumbwheel located below the headlamp switch on the right.

Functions and settings of some equipment can be accessed via the graphical information display. These functions are selected and executed from the menu on the display using the four-way button and the multi-function button on the infotainment system or the audio buttons on the steering wheel.



Four-way button

Options can be selected from the menus using the four-way button on the infotainment system.

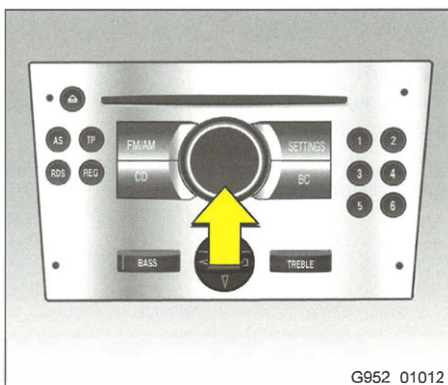


Multi-function button

Options can be selected from the menus using the multi-function button as follows:

- Turn** Highlight menu options, functions or commands.
- Press** Select highlighted items and confirm commands.

To exit a menu, turn the multi-function button to the left or right to **Return** or **Main**, then select by pressing.



GRAPHICAL INFORMATION DISPLAY cont.

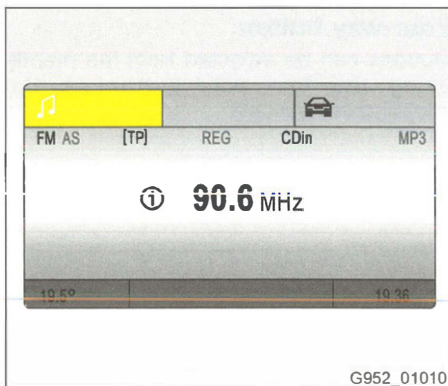
Steering wheel audio buttons

Options can be selected from the menus using the audio buttons on the steering wheel.



Menus and displays

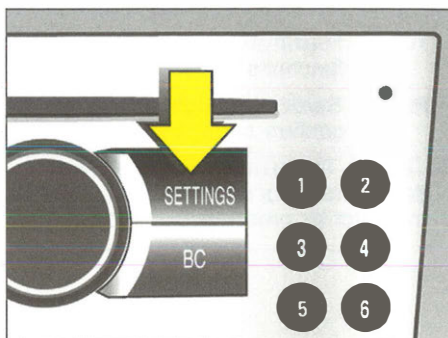
Each function has a main page which can be selected from the top row of the display.



System settings

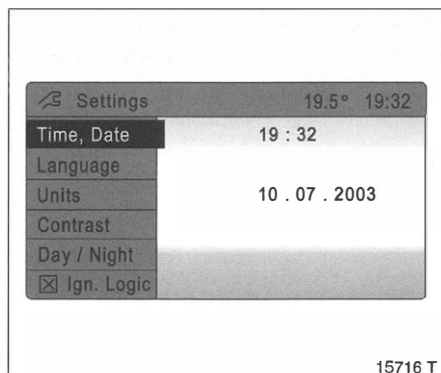
The system settings are accessed via the **Settings** menu.

Press the 'Settings' button on the infotainment system.



GRAPHICAL INFORMATION DISPLAY cont.

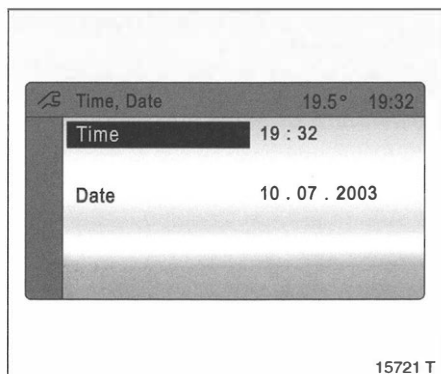
The **Settings** menu will be displayed.

**Setting time and date**

Select **Time, Date** from the **Settings** menu.

The menu for **Time, Date** will be displayed.

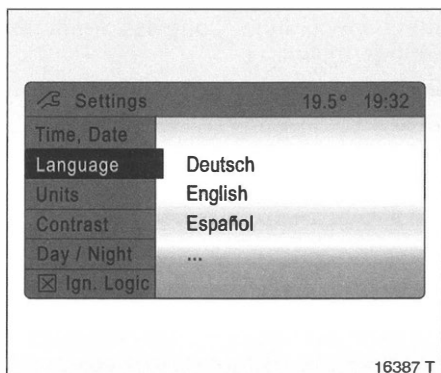
Select the menu items required and change to the desired settings.

**Language selection**

You can select the display language for some functions.

Select **Language** from the **Settings** menu.

The available languages are displayed.



GRAPHICAL INFORMATION DISPLAY cont.

Select the desired language.

Selections are indicated by a ► in front of the menu item.

In systems with language version, when the language setting of the display is changed, the system will ask if the message language should also be changed.



Setting units of measure

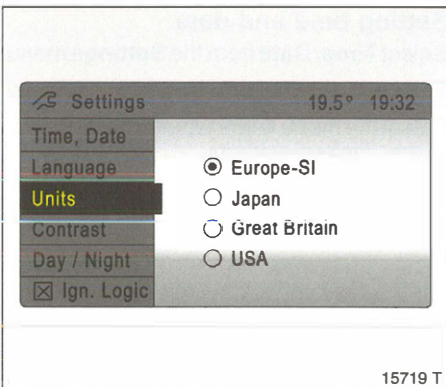
You can select which units of measure are to be displayed.

Select **Units** from the **Settings** menu.

The available units are displayed.

Selection is indicated by a ● in front of the menu item.

For Australia/New Zealand, select the "Europe-SI" option.

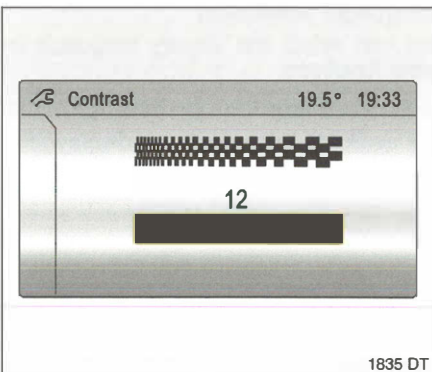


Adjusting contrast

Select menu item **Contrast** from the **Settings** menu.

The **Contrast** menu is displayed.

Confirm the required setting.



GRAPHICAL INFORMATION DISPLAY cont.**Setting display mode**

The display can be adjusted to suit the light conditions. It can display black text on a light background or light text on a dark background.

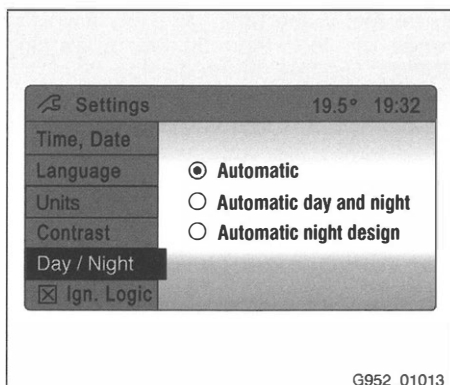
Select **Day / Night** from the **Settings** menu.

The options are displayed.

Automatic: Adaptive based on vehicle lighting.

Always day and night: Black text on light background.

Always night design: Light text on dark background.



G952_01013

Selections are indicated by a ● in front of the menu item.

Trip computer

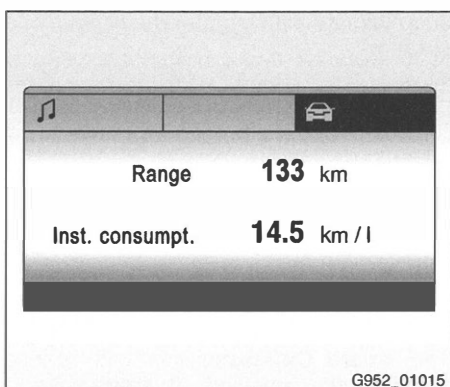
The trip computer provides information on driving data, which is continually registered and evaluated electronically.

The trip computer main page provides information on range and instantaneous consumption.

Trip computer - range

The range is calculated from the current fuel tank content and instantaneous consumption. The display shows average values.

After refuelling, the vehicle updates the range automatically after a brief delay.

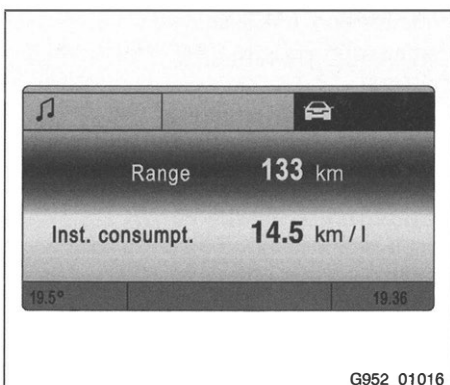


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Instantaneous consumption

The display changes depending on the speed:

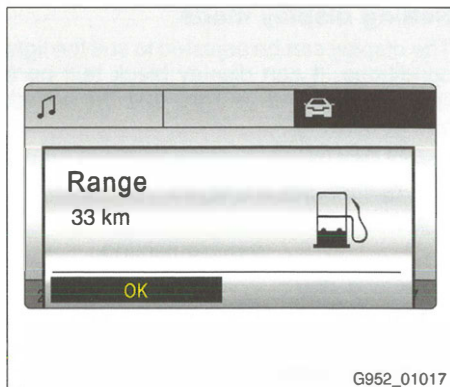
- Litres per hour when the vehicle speed is less than 13 km/h.
- Litres per 100 km/h when the vehicle speed is more than 13 km/h.



G952_01016

GRAPHICAL INFORMATION DISPLAY cont.

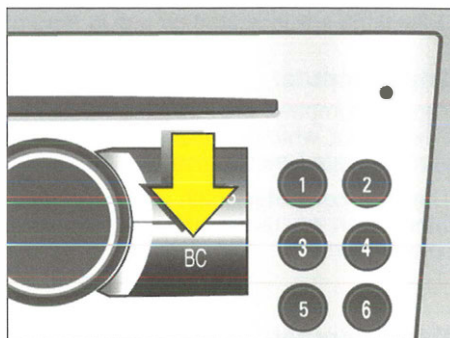
If the fuel in the tank will allow a driving range of less than 50 km, a warning 'Range' appears on the display.



Board Computer

There are two trip computers that register and evaluate data independently from one another.

To display trip computer driving data, press the **BC** button on the infotainment system or select the trip computer menu from the display.



The **Board Computer** menu is opened and 'Distance travelled', 'Average speed', 'Effective consumption' and 'Average consumption' are displayed.

DISTANCE TRAVELLED

Displays number of kilometres driven.

AVERAGE SPEED

Average speed calculation. Stoppages in the journey are not included in calculations.

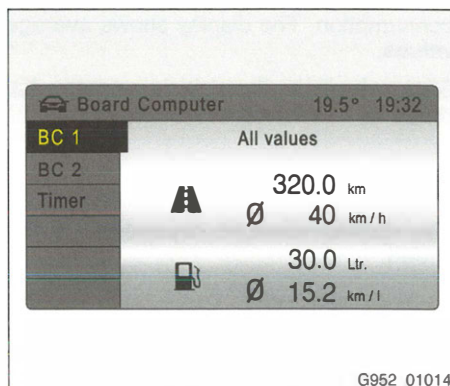
EFFECTIVE CONSUMPTION

Displays amount of fuel consumed.

AVERAGE CONSUMPTION

Calculation of average consumption.

The above measurements can be restarted (reset) at any time.



GRAPHICAL INFORMATION DISPLAY cont.

Resetting trip computer information

The following trip computer information can be reset (restart measurements).

DISTANCE TRAVELLED

AVERAGE SPEED

EFFECTIVE CONSUMPTION

AVERAGE CONSUMPTION

Select **BC1** or **BC2** from the trip computer menu.

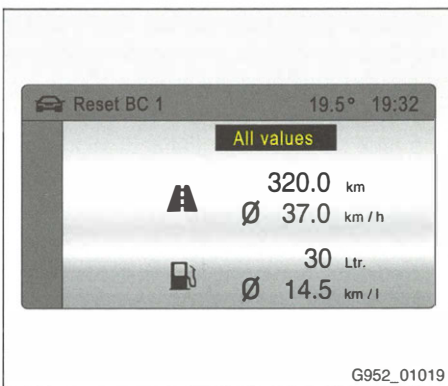
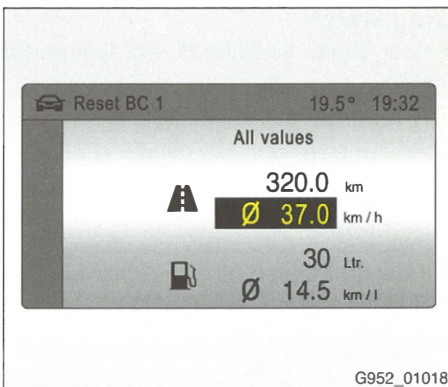
Select the desired trip computer information.

The value for the selected function will be reset and recalculated.

Select **All Values** to reset all information in the trip computer.

After resetting, '___' is displayed with the trip computer function selected. The recalculated values are displayed after a brief delay.

Note: If the power supply is interrupted or battery voltage is low, the stored trip computer values will be lost.



GRAPHICAL INFORMATION DISPLAY cont.

Stop watch

Select **Timer** from the **Board Computer** menu.

The **Timer** menu will be displayed.

Start the stop watch by selecting **Start**.

Reset the stop watch by selecting **Reset**.

Stop watch options

Different stop watch options can be accessed in the **Options** menu.

DRIVING TIME EXCLUDING STATIONARY TIME

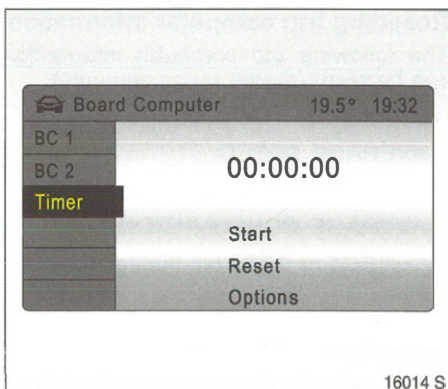
The time the vehicle is in motion is recorded. Stationary time is not recorded.

DRIVING TIME INCLUDING STATIONARY TIME

The time the vehicle is in motion is recorded. The time the vehicle is stationary with the key in the ignition is included.

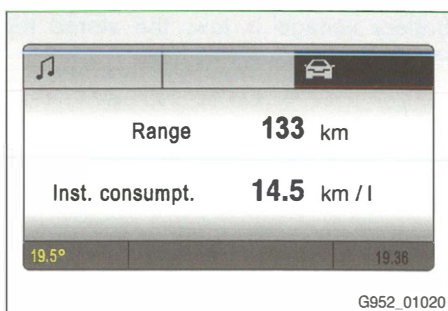
TRAVEL TIME

The time between manual activation via **Start** and deactivation via **Reset** is recorded.



Outside temperature

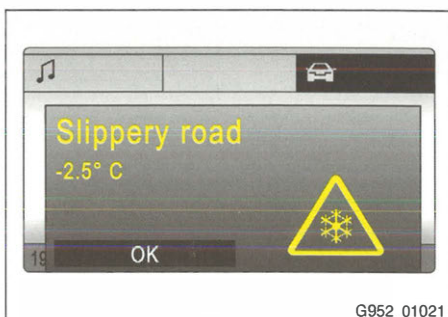
A fall in outside temperature is indicated immediately and a rise in temperature after a time delay.



A warning message is shown in the display as a warning for icy road surfaces if the temperature drops below 3° C. There is no message below - 5° C.

WARNING:

The road surface may already be icy even though the display indicates a few degrees above 0° C.

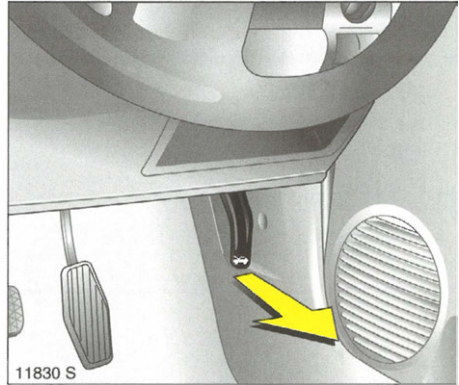


BONNET RELEASE

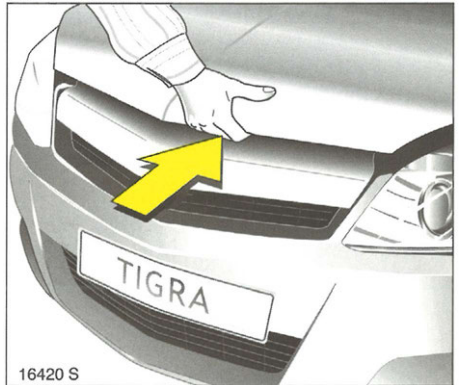
Open the bonnet

The bonnet release lever is located beneath and to the right end of the dashboard.

To release the bonnet, pull the lever towards you. This allows the bonnet to release but is prevented from opening by the safety catch.



To open the bonnet completely, locate the safety catch, approximately a hand's width to the right-hand side of the bonnet. Lift the safety catch upwards and lift the bonnet.

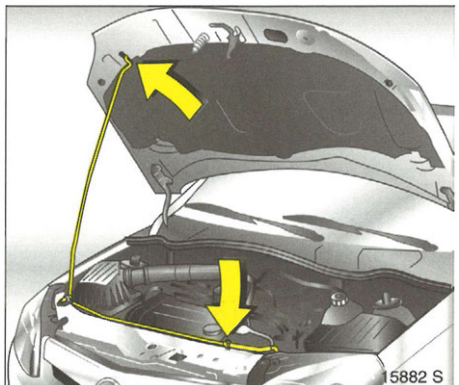


Fully open the bonnet and insert the support rod into the slot provided.

Close the bonnet

Before closing the bonnet, release the support rod and fit it firmly into its holder. Lower the bonnet gradually until nearly closed, and then drop it to close fully under its own weight.

Always check that the bonnet is properly closed and that the release lever inside the vehicle has returned to its original position.



IGNITION SWITCH

Ignition

- LOCK: Ignition off, steering locked when key is removed.
- I OFF: Steering unlocked, ignition off.
- II ON: Ignition on.
- III START: Start the engine.

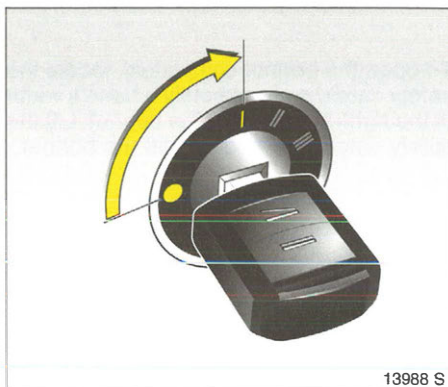


Release steering column lock

To release the lock, move the steering wheel slightly and turn the key to position I.

Lock steering column

To lock the steering column, withdraw the key in the lock position.



WARNING:

Do not turn the engine off while the vehicle is moving. Power assisted equipment (such as brakes or steering) which are operated by the engine will be ineffective. Never remove the key while the vehicle is moving as this will lock the steering wheel. Refer to Chapter 4, Driving.

Audible warnings

While driving and:

- upon operating the Retractable steel roof or boot lid if the park brake is not applied.
- upon operating the Retractable steel roof if the roof lock is not released.
- upon operating the Retractable steel roof if the luggage compartment partition is not folded back.
- when starting off if the Retractable steel roof is not completely open or closed.
- when starting off if the boot lid is not completely closed.

When you are leaving the vehicle and:

- you have not removed the ignition key (continuous single tone)
- you have left the parking lamps / headlamps on (continuous dual tone).

CRUISE CONTROL

Cruise control maintains the speed of your vehicle without you having your foot on the accelerator pedal and works at speeds over 30 km/h.

For safety reasons, the cruise control cannot be activated until the foot brake has been operated at least once after the ignition has been turned on.

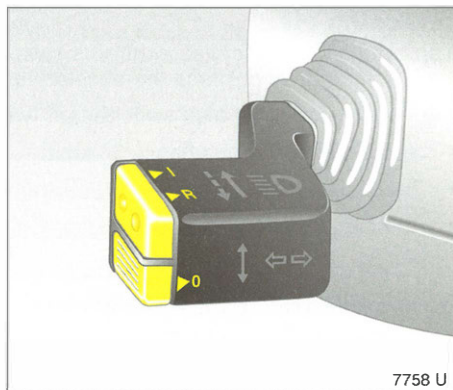
The cruise control lever is on the left side of the steering column. The lever has two switches.

The **O** (off) switch is the lower of the two switches and is activated by pushing in the direction of the steering column.

The upper switch is used to adjust speed. It is a two part switch, marked **I** and **R**.

The **I** (increase) part of the switch has a raised dimple = increase in speed.

The **R** (reduce) part of the switch has a recessed dimple = decrease in speed.



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Switching on

1. Press the accelerator pedal until the vehicle is travelling at the desired speed, (above 30 km/h).
2. Tap the **I** button.
3. Release the accelerator pedal, as the cruise control is now maintaining speed.

TO INCREASE SPEED WITH CRUISE CONTROL ON:

Hold down button **I** or tap it repeatedly. The speed is increased continuously or in steps of 2 km/h without using the accelerator pedal.

When button **I** is released, the selected speed is stored and maintained.

TO DECREASE SPEED WITH CRUISE CONTROL ON:

Hold down button **R** or tap it repeatedly. The speed is reduced continuously or in steps of 2 km/h.

When button **R** is released the selected speed is stored and maintained.

CRUISE CONTROL cont.

Switching off

Tap button **O**. The cruise control is switched off and the vehicle slowly decelerates. To continue driving, press the accelerator pedal in the usual way.

The cruise control is also switched off when:

- vehicle speed drops below 30 km/h
- the brake pedal is pressed
- the clutch pedal is pressed.

RESUMING THE STORED SPEED:

Tap button **R** at a speed above 30 km/h: the speed selected before the cruise control was switched off is resumed.

The stored speed is erased when the ignition is switched off.

WARNING:

Do not use the cruise control when road or driving conditions could require varying speeds. A constant speed may not be practical in heavy or varying traffic, or on winding, slippery or rough roads.

Remember that when the cruise control is maintaining your speed, taking your foot off the accelerator pedal will not reduce speed. To quickly deactivate the cruise control you should press the brake or clutch pedal, or push the 'O' button.

The cruise control will not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills it is possible for the vehicle to lose speed. You may need to switch off the cruise control and instead use the accelerator pedal.

CHAPTER 2

Locks

Page	
2-2	Keys
2-3	Power door locks
2-5	The remote control
2-7	Emergency procedure for power door locks
2-8	Electronic immobiliser
2-9	Luggage compartment

KEYS

Keys

Before placing the key on your key ring, remove the key code number from the key (if it is still attached). Please keep the code in a safe place, together with the vehicle card containing information about the engine immobiliser, away from your vehicle. Then if your key is lost, replacements can be ordered through a Holden Dealer by quoting the key code number and providing proof of vehicle ownership.

Free turning door locks

The door lock cylinder is designed to free turn if it is forcefully rotated without the correct key or if the correct key is not fully inserted. To reset, turn the lock with the correct key until its slot is vertical, remove the key and then re-insert it. If the lock still free turns, turn the key through 180 degrees and repeat the operation.

Note: This feature is provided as a theft deterrent to prevent the lock being forced open. The force required to make the key 'free turn' reduces each time. As the force gets easier with each 'free turn' please do not attempt to demonstrate or test this feature and always remember to fully insert the key when locking and unlocking the doors.

If you have problems with this procedure, contact your Holden Dealer. Remember that your vehicle is covered for the first 3 years by Roadside Assist. Refer to Chapter 9, Customer Assistance.

POWER DOOR LOCKS

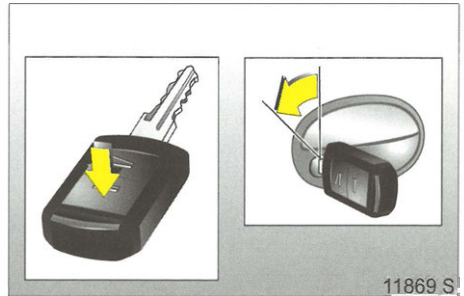
Remote power door locks

LOCKING THE VEHICLE

Press the rear button  of the remote control or turn the key in the driver's door. This locks the doors, boot lid and fuel tank filler flap. Refer to Chapter 5, Fuel.

The hazard warning lights flash briefly to show that the remote control is operational.

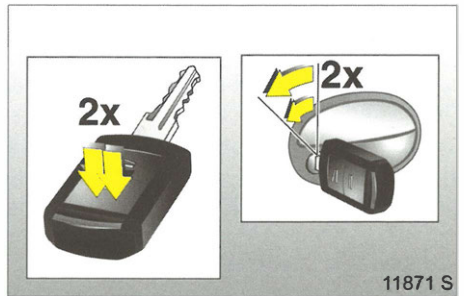
Note: The vehicle can be locked without the need for the key. With the driver's door open, press the central locking switch  in the door trim then close the driver's door.



DEADLOCKING

To deadlock all of the doors, either:

- press the rear button  again on the remote control within 10 seconds after locking, or
- turn the key again in the driver's door lock towards the rear of the vehicle within 10 seconds after locking, then turn the key back to the vertical position and remove it.



Deadlocking locks all of the doors so that no door can be opened even if entry is gained by breaking the glass. The doors can only be unlocked from outside of the vehicle with the ignition key.

WARNING:

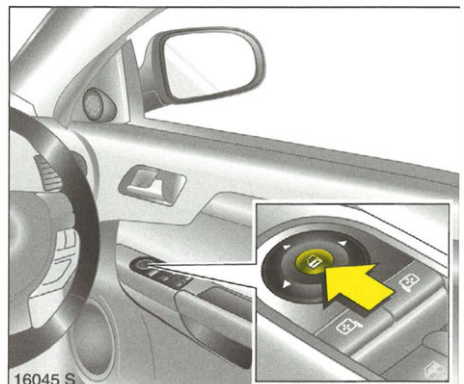
Do not use deadlock if there are people in the vehicle. The doors cannot be unlocked from inside.

TO LOCK THE DOORS FROM THE INSIDE

Press the central locking switch  in the driver's door armrest.

For safety reasons, the vehicle cannot be locked with the remote if the ignition key is in the ignition lock.

If the driver's door is not closed properly, the central locking system will unlock again immediately after locking.



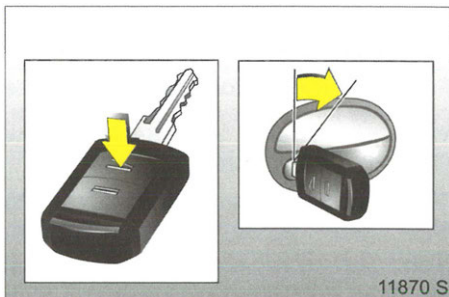
POWER DOOR LOCKS cont.

UNLOCKING – DRIVER'S DOOR ONLY

Point the remote control unit in the direction of the vehicle and press the front button .

Alternatively, turn the key in the driver's door once towards the front of the vehicle, then turn the key back to the vertical position and remove it.

Unlocking the doors disengages deadlocking.



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UNLOCKING ALL DOORS, BOOT LID AND FUEL FILLER FLAP

Point the remote control in the direction of the vehicle then press the front button  twice.

Alternatively, turn the key in the driver's door once towards the front of the vehicle, then turn the key back to the vertical position and remove it. Unlocking the doors disengages deadlocking.

This unlocks the doors, boot lid and fuel tank filler flap.

Note: If the ignition is on, locked doors and luggage compartment unlock automatically in the event of an accident of a certain severity (to permit outside assistance).

Automatic relocking

After unlocking the vehicle using the remote control, the vehicle will be automatically locked again after 30 seconds if a door or the boot lid has not been opened.

THE REMOTE CONTROL

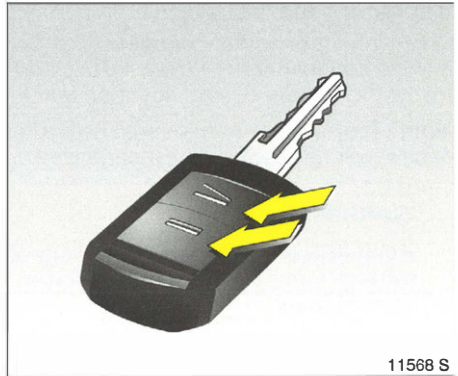
The remote control

The remote control is powered by a battery inside the key head. A weakening battery is indicated by a progressive 'loss of range' (you must be closer to the vehicle when pressing the key).

Tinting the vehicle's windows with a metallic film, reduces the range of the key.

Treat the remote control with care; it should be protected against moisture and should not be operated unnecessarily.

When the system is operated, the hazard warning lights on the vehicle flash briefly.



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Remote control troubleshooting

If the central locking system cannot be operated with the remote control, this may be due to one of the following reasons:

- The range of the remote control has been exceeded. Move closer to the vehicle.
- The battery voltage of the remote control unit is too low. Change the battery as detailed on the following page.
- The remote control has been operated too many times in succession outside the vehicle's normal remote operating range. Re-synchronise the remote control as detailed on the following page.
- Overload of the central locking system has occurred as a result of repeated operation at short intervals. The power supply will be cut off for approximately 30 seconds.

Note: Interference from higher powered radio waves from other sources may affect the operation of the central locking system. Open the vehicle by turning the key in the lock.

THE REMOTE CONTROL cont.

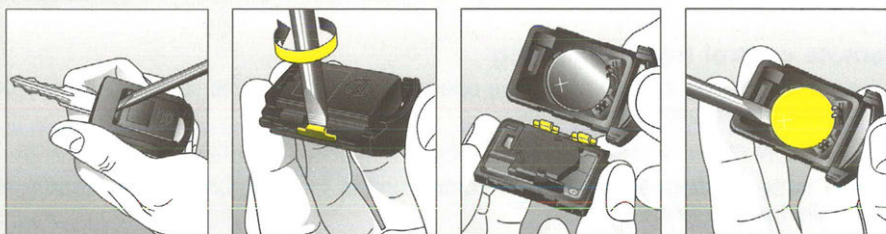
Replacing the battery

Disengage the remote control section from the key using a screwdriver and open the remote control battery cover. Install the battery, ensuring that it is inserted correctly. Install the remote control cover so that it 'clicks' into the key.

Note: The battery change must be performed within 3 minutes, otherwise the remote control will have to be re-synchronised.

WARNING:

Keep lithium batteries away from children and pets. Swallowing a lithium battery can cause serious internal injury. If swallowed, contact a doctor immediately.



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Synchronizing the remote control

In the event of malfunctions, synchronise the remote control:

1. Switch on the ignition; the system remains in synchronising mode for 30 seconds.
2. Briefly press button  or  on the remote control unit while the key is in the ignition.
3. The central locking system locks and unlocks to show that the remote control has been programmed.



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EMERGENCY PROCEDURE FOR POWER DOOR LOCKS

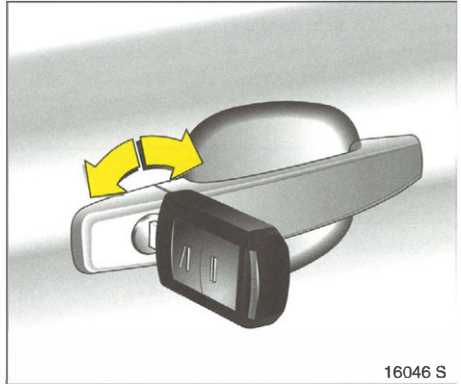
Unlocking and locking the driver's door in the event of a malfunction of the central locking system.

(For example, if the vehicle battery is flat.)

(A) To unlock

Turn the key in the driver's door-lock towards the front of the vehicle, turning it beyond its resistance point until it will not move any further. Turn the key back to the vertical position and remove it; raise the door handle.

Note: If the vehicle is deadlocked (refer earlier in this section), only the driver's door will unlock. To unlock the entire car, switch on the ignition, press the central locking switch  and pull the driver's door handle.



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(B) To lock

With the driver's door closed, turn the key towards the rear of vehicle until it will not move any further. Turn the key back to the vertical position and remove it.

Emergency – accident

Locked doors are unlocked automatically in the event of an accident (to allow assistance from outside), provided that the ignition is not switched off.

ELECTRONIC IMMOBILISER

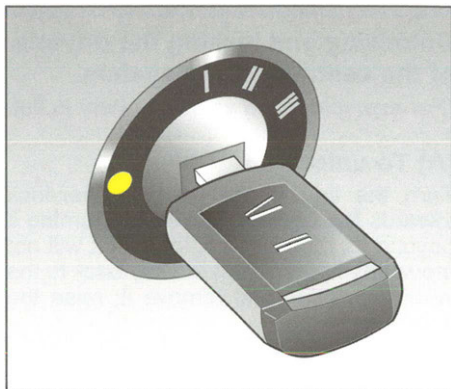
Electronic immobiliser

The key helps to protect the vehicle from theft by means of the electronic immobiliser.

The immobiliser system electronically disables the starting system.

When the key is used to start the vehicle, the system checks the key. If the key is accepted as an 'authorised' key, the starting system is enabled and the vehicle can be started.

Note: The immobiliser does not lock the doors.



Activate

The immobiliser is activated when the ignition is switched off and the key is removed.

Deactivate

The immobiliser is deactivated when the ignition is switched on with an authorised key.

Note: Deactivating the immobiliser is not possible in any other way, so keep a spare key in a safe place.

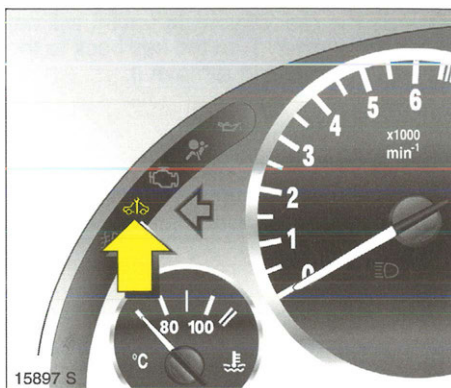
Control Indicator

The control indicator  briefly illuminates when the ignition is switched on.

If the control indicator  flashes when the ignition is on, it indicates a fault in the system and the engine cannot be started. To start the engine do the following:

1. Remove the key.
2. Re-insert the key in the ignition switch.
3. Repeat the starting procedure.

If the control indicator  continues to flash and the vehicle still does not start, try using the spare key. Have your Holden Dealer check the system.



LUGGAGE COMPARTMENT

Opening the luggage compartment

TO OPEN THE BOOT LID WITH THE BUTTON IN THE DOOR

1. Unlock the entire vehicle by pressing the front button  on the remote control twice.
2. Apply the park brake.
3. Switch on the ignition.
4. Briefly press the  button. The opening process begins after a slight delay.

A second press of the button stops the boot lid from opening.

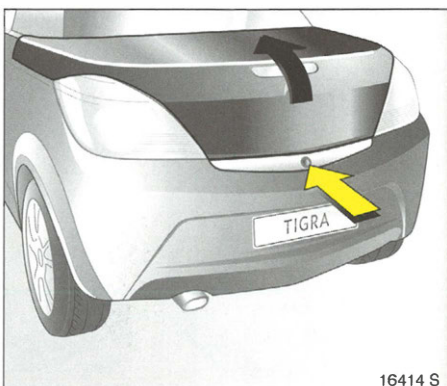
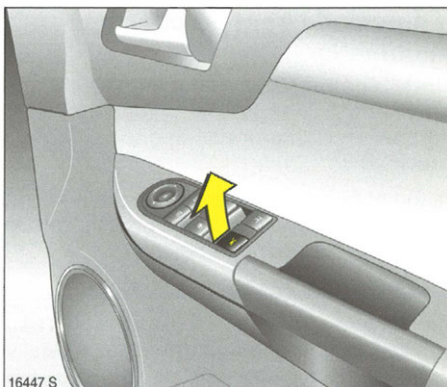
Note: If the park brake is not applied when the button is pressed, a warning buzzer sounds and the boot lid remains closed.

TO OPEN WITH THE BUTTON BENEATH THE BOOT LID

1. Unlock the entire vehicle by pressing the front button  on the remote control twice.
2. Briefly press the button beneath the boot lid. The opening process begins after a slight delay.

A second press of the button stops the boot lid from opening.

Note: If the ignition is on but the park brake is not applied when the button is pressed, a warning buzzer sounds and the luggage compartment remains closed.

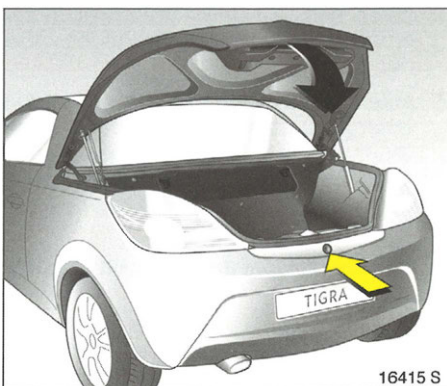


Closing the luggage compartment

Press the button below the boot lid until the boot lid is completely closed.

A tone sounds when the boot lid is completely closed. A single flash of the hazard warning lights indicates the boot lid is locked.

Note: If the ignition is on but the park brake is not applied when the button is pressed, a warning buzzer sounds and the boot lid closes.



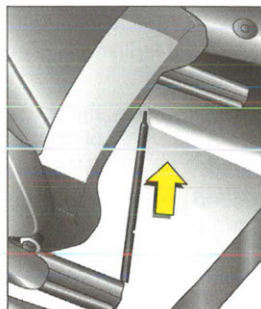
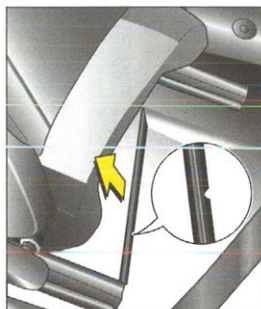
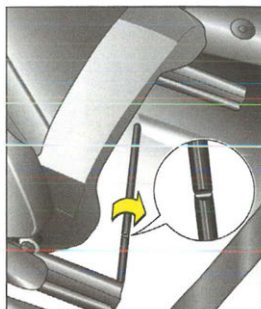
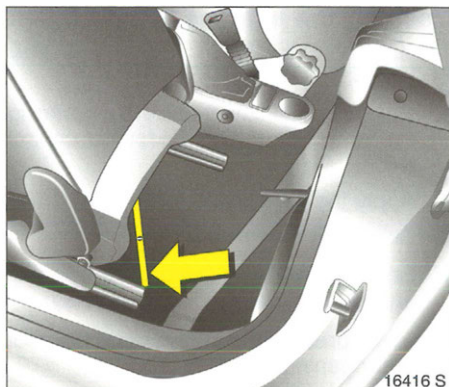
LUGGAGE COMPARTMENT cont.

If automatic boot lid opening malfunctions

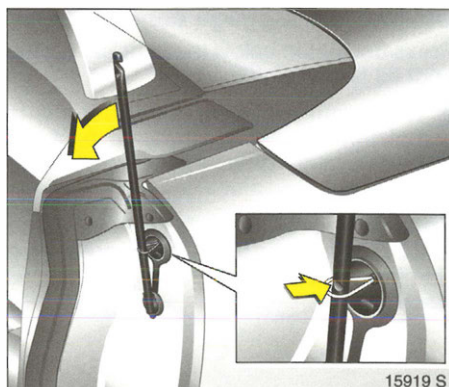
Note: The automatic boot lid operation is only functional if the roof has been completely and properly opened or closed previously.

In the event of automatic drive malfunction or loss of battery power, the boot lid can be manually opened as follows:

1. Open the passenger side door.
2. Fold down the left seat backrest. The tool is fastened under the seat.
3. Turn the tool 90° to the right to remove.
4. Pull the front of the tool upward and out of the flooring.
5. Pull the tool forward out of the flooring.



6. Open and fold down the cover of the emergency release cable. Pull the cable out slightly.
7. Insert the tool through the eye of the emergency release cable. Support the rounded end of the tool on the cover as shown. The eye of the emergency release cable must lie in the groove on the tool.
8. Pull the tool forward to release the boot lid.

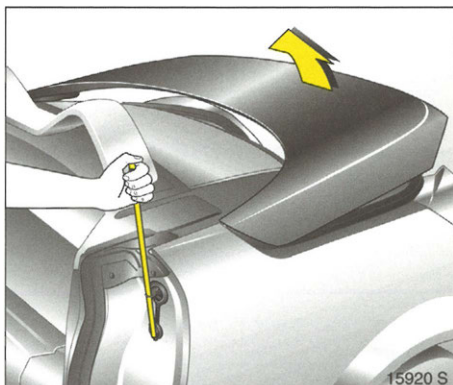


LUGGAGE COMPARTMENT cont.

9. Carefully open the boot lid by hand.

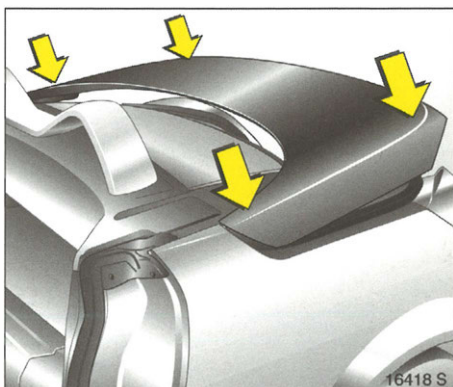
Refit the emergency release cable in the opening and refit the cover.

Note: Do not close the car door if the cover is open.



To close the boot lid, have a second person help you carefully press it down and engage it in the lock.

Have the cause of the fault rectified, consult your Holden dealer.



CHAPTER 3

Know your vehicle

Page

3-2	Seat adjustment
3-4	Head restraint adjustment
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3-7	Child restraints
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3-11	Stowage compartment
3-11	Luggage compartment partition
3-12	Retractable steel roof
3-20	Park brake and interior lamps
3-21	Convenience features

SEAT ADJUSTMENT

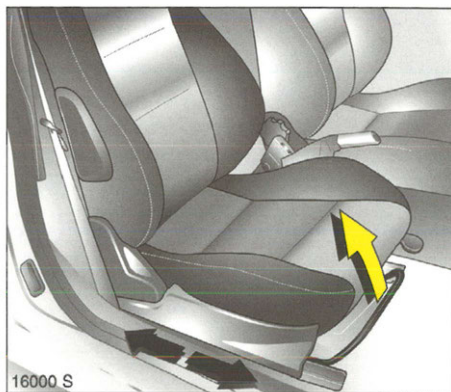
Forward / rearward

The driver's side seat and front passenger seat can be adjusted forward and rearward.

Lift the handle at the front of the seat and slide the seat as required. Release the handle and try to move the seat, to ensure that the catch has locked in position.

WARNING:

Never adjust the driver's seat whilst driving. The seat could move suddenly and cause the driver to lose control.

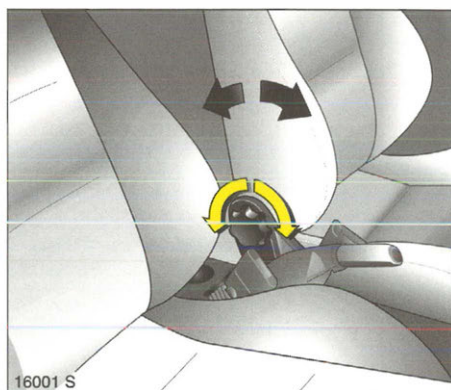


Recline / incline

To adjust the angle of the back of the seat, turn the large, toothed wheel as illustrated.

WARNING:

To avoid reducing the effectiveness of seat belts it is recommended that the reclining seats be used in no more than a semi-reclined position when the vehicle is moving. The fully reclined position should be used only when the vehicle is stationary.

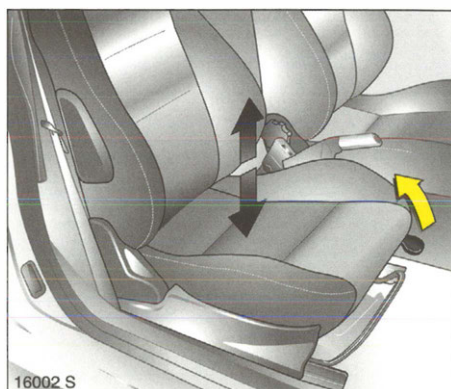


Driver's height adjustment

Lift the lever at the front, left-hand side of the seat and remove body weight from the seat to raise the seat.

Lift the lever and press down on the seat with body weight to lower the seat.

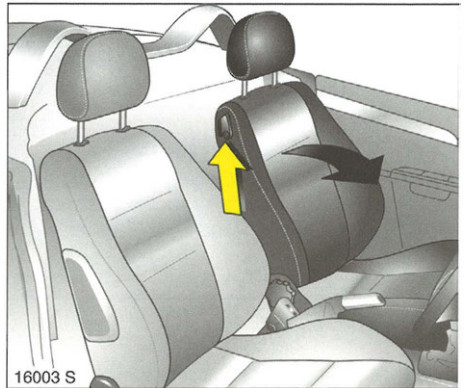
Never adjust the driver's seat whilst driving. The seat could move suddenly and cause the driver to lose control.



SEAT ADJUSTMENT cont.

Folding down seat backrests

To access the storage compartment behind the seats, raise the release lever and fold the front seat backrests forward.



WARNING:

Do not fit unauthorised seat covers as they may impair the deployment of the side impact airbags. Do not position your body or any object (including pillows) between the front seats and doors. Front seat occupants should not lean on or sleep against the door.

HEAD RESTRAINT ADJUSTMENT

Head restraint note: This safety feature is not intended as a headrest. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.

Head restraint adjustment

To adjust the head restraint height, hold the restraint firmly at the top, tilt it forwards, lift up or push down and then release.



Head restraint height

The upper edge of the head restraint should be approximately level with the top of the head – never at neck level. If this is not possible for very tall passengers, the restraints should be set at its highest position.

WARNING:

For safety, make all adjustments to the driver's seating and controls prior to operating the vehicle; do not make these adjustments while the vehicle is moving.

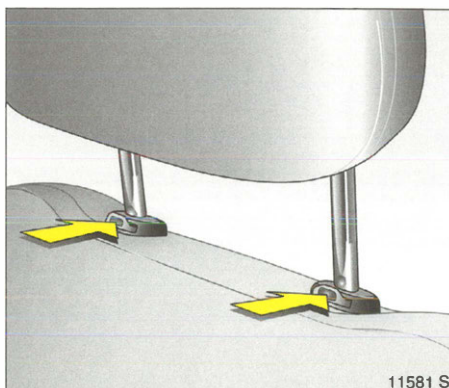


Head restraint removal

To remove head restraints, squeeze both locking springs while pulling the head restraint upward.

Front seat active head restraints

This vehicle is fitted with active head restraints on the front and passenger seats. In the event of certain impacts, the active head restraints automatically tilt forwards. The head is more effectively supported by the head restraint and the risk of neck injury is reduced.



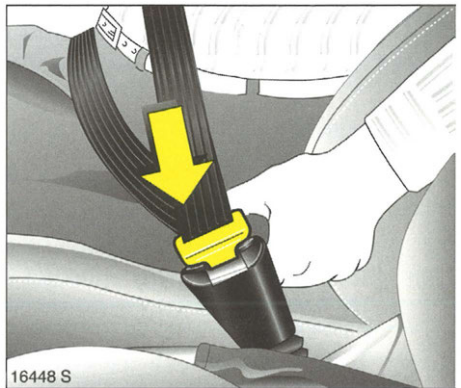
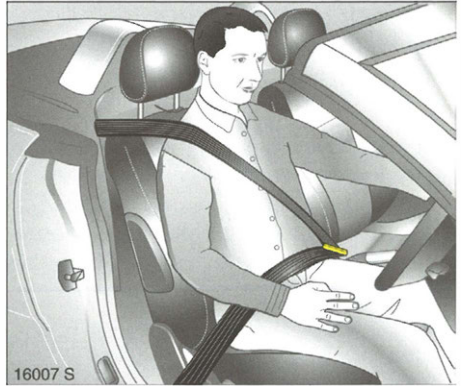
SEAT BELTS

Lap-sash belts

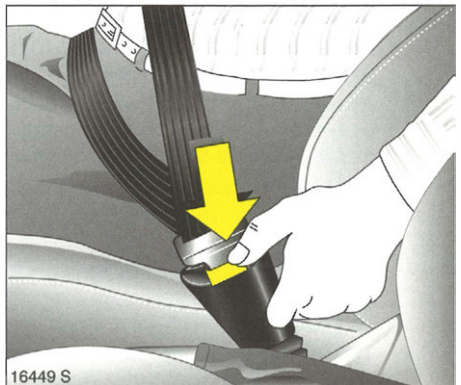
To put on a lap-sash seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a click. After fastening, settle the belt at the hip, then tension the belt by tugging the sash upward. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and fits firmly.

The emergency-locking retractor allows you to move freely while the vehicle is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.



To undo the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.



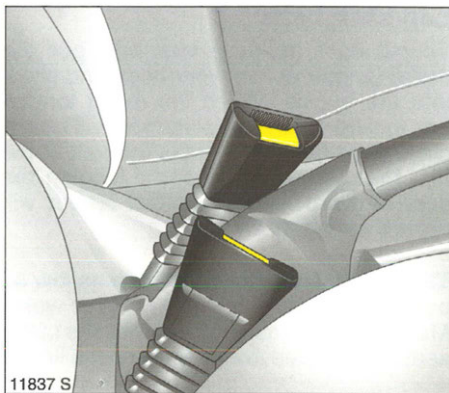
SEAT BELTS cont.

Seat belt pretensioners

The front seat belt system incorporates (once-only) seat belt pretensioners. In the event of certain moderate to severe front-on or rear-end collision, the belt buckles are pulled downwards, instantaneously tightening the diagonal and lap belts.

If the seat belt pretensioners have been actuated, the control light  illuminates. Actuation may also be indicated by yellow tabs appearing on the belt buckles.

Note: If the belt pretensioners have been activated, they must be replaced by a Holden Dealer. The seat belts remain operational even when the belt pretensioners have been actuated.



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Australian law requires that the driver and all passengers be properly restrained at all times with the seat belts provided in the vehicle. Failure to do so could increase the chance of injury and / or the severity of injury in accidents.

WARNING:

- **Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.**
- **Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.**
- **On pregnant women in particular, the lap belt must be positioned as low as possible across the pelvis so as not to put too much pressure on the abdomen.**
- **Care should be taken to avoid contamination of the webbing with polishes, oil and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.**
- **It is essential to replace the entire assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious. Belts should not be worn with straps twisted.**
- **Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.**
- **No modification or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.**
- **The positioning of the tongue restrictor must never interfere with, or stop, the belt from fully retracting.**

CHILD RESTRAINTS

Child restraints

Tigra models are not fitted with child restraint anchorages. Children small enough to require a child seat are not to be carried in this vehicle.

WARNING – EXTREME HAZARD:

- Do not use a rearward facing child restraint on a seat protected by an airbag in front of it. The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.
- **NEVER** install a child restraint in the front seat of a vehicle fitted with Side Impact Air Bags (SIAB).



WINDOWS

Electric windows

The electric windows operate with the ignition switch on.

The main switches for the electric windows are located in the driver side door pull-handle. The right hand-side switch controls the driver's window and the left hand-side switch controls the passenger window.

An individual switch is located on the front passenger door pull-handle for the front passenger window.

Control lights in the switches illuminate when the switches are operational.

To operate the window in stages, tap the associated switch. For full closing or opening, keep the switch pressed for slightly longer.

Note: Automatic closing is not possible during Retractable steel roof operation.

When a door is opened, the window of that door opens slightly. It closes automatically after the door is closed.

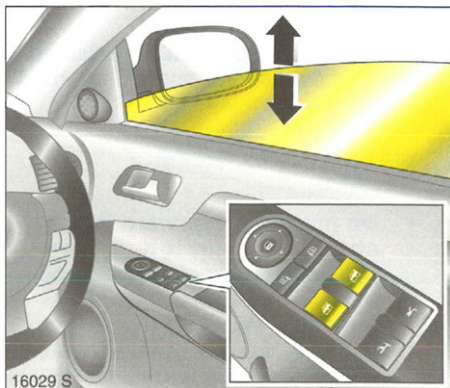
When the Retractable steel roof is opened or closed, the windows open slightly. They close automatically once the Retractable steel roof is completely opened or closed.

To stop the window during full opening or closing, tap the associated switch.

If the window glass encounters significant resistance during full closing (above the half way point), the window movement is immediately reversed to fully open.

To override this protective system (for example, if the windows do not move easily due to frost) repeatedly tap the associated switch until the window closes.

To avoid risks associated with incorrect use of electric windows, remove the key from the ignition switch when leaving the vehicle.



Overload

If the system is overloaded, the power supply is automatically cut off for a short time.

Interruption of power supply

Automatic opening and closing of the windows is not possible after an interruption of the power supply or a drop in battery voltage.

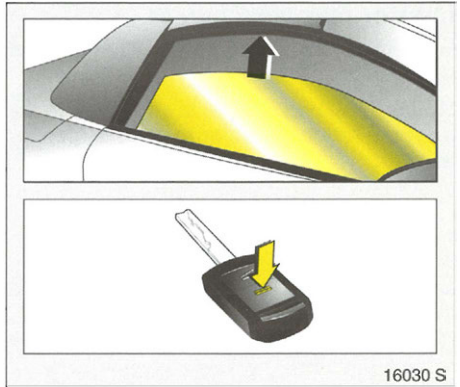
Activate the window electronics from inside the vehicle as follows:

1. Close the doors.
2. Switch on the ignition.
3. Open the window completely.
4. Close the windows and hold the switch in the closed position for another second.
5. Repeat for each window.

WINDOWS cont.

Closing electric windows from outside

Press the rear button **=** on the remote control until the windows are closed.



MIRRORS

Interior rear view mirror

Grasp the mirror and swivel to adjust the rear view.

Swivel the lever on the lower edge of the mirror to reduce headlamp glare or 'dazzle' at night.



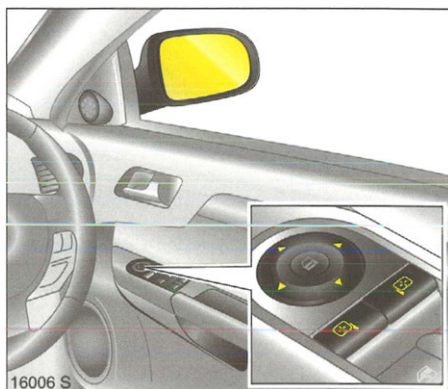
Power exterior mirrors

The power mirror control is located in the drivers door arm rest. Press the switch for the right or left hand-side mirror.

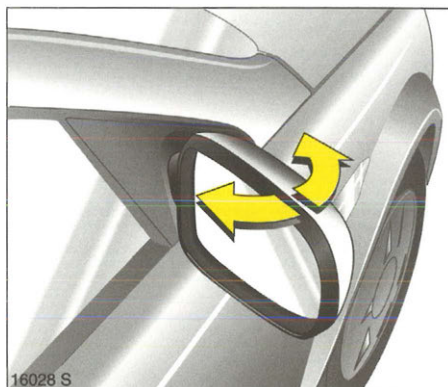
When the ignition is on, the four-way toggle switch can be used to adjust the angle of the selected mirror.

Demisting of the outside power mirrors is provided when the rear window demister is switched on.

Refer to Chapter 1



For the safety of pedestrians, the exterior mirrors swing out of their normal mounting position if they are bumped with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.



WARNING

The passenger's mirror is convex shaped, to provide a wider view. Objects seen in this mirror will appear further away than they actually are.

STOWAGE COMPARTMENT (BEHIND SEATS) AND LUGGAGE COMPARTMENT PARTITION

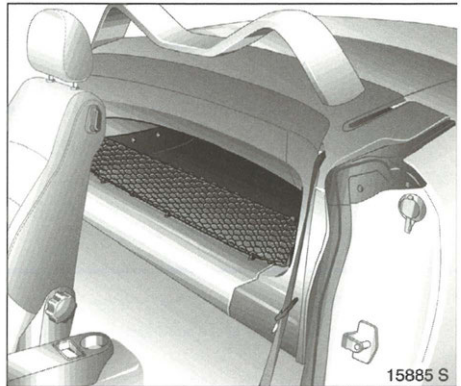
Stowage compartment (behind seats)

Fold down the seat backrests to access the stowage compartment (refer earlier in this chapter).

Note: The compartment is only suitable for stowing light objects (maximum load 10 kg).

WARNING:

Secure objects in stowage compartment to prevent them from falling out and causing injury.

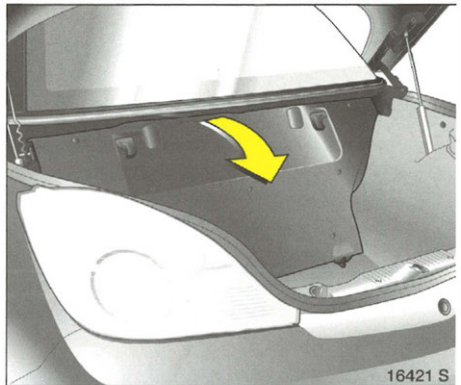


Luggage compartment partition

The luggage compartment partition must be secured in the rearward position if the retractable steel roof is to be opened.

With the retractable steel roof closed, pull the centre of the partition, release it and fold it rearward until the catches engage.

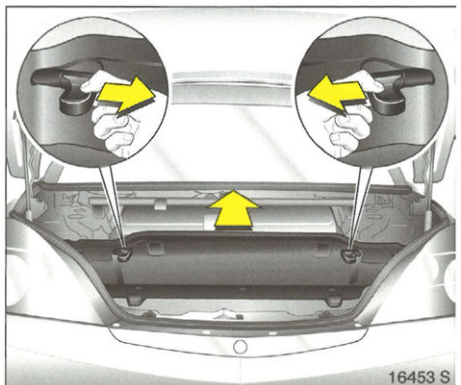
Note: Do not place objects in front of the luggage compartment partition.



When the retractable steel roof is closed, the luggage compartment partition can be folded forward to enlarge the luggage compartment.

Rotate both catches to the horizontal position and pull both catches inward to release.

Return both catches to their original position and fold the luggage compartment partition forward, until it is locked in the forward position.



RETRACTABLE STEEL ROOF

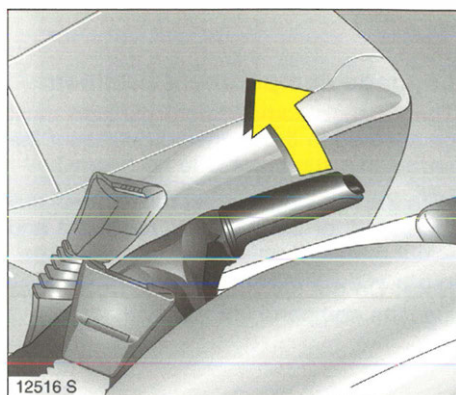
WARNING:

- Exercise care when operating the roof to avoid risk of injury.
- Pay close attention to the roof's movement zone during roof operation. Make sure that nothing can become trapped.
- Make sure no one is in the movement zone during the roofs opening or closing operation.
- Before operating the roof in garages or similar, check the amount of vertical clearance available.
- Vehicle passengers must be informed of retractable roof operation.
- Before leaving the vehicle, remove the ignition key to prevent unauthorised operation of the retractable roof or windows.

Opening the retractable roof

Operate the retractable roof only when the vehicle is stationary.

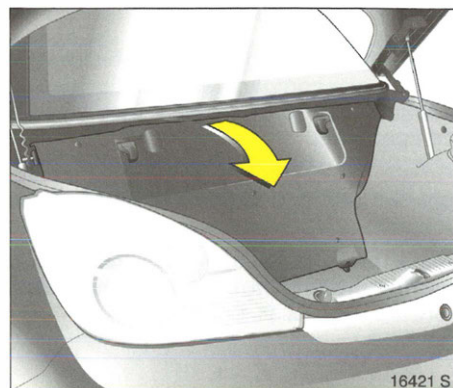
1. Apply the park brake.



2. Lock the luggage compartment partition in the rear position, refer 'Luggage partition' in this chapter.

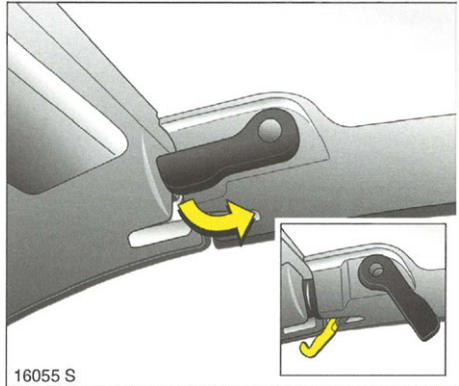
IMPORTANT Make sure no objects are placed in front of the rear window or in front of the luggage compartment partition.

3. Close the boot lid.



RETRACTABLE STEEL ROOF cont.

4. Release the locking levers on the upper right and left of the window frames, pulling both levers all the way down. Both retaining hooks must unhook.



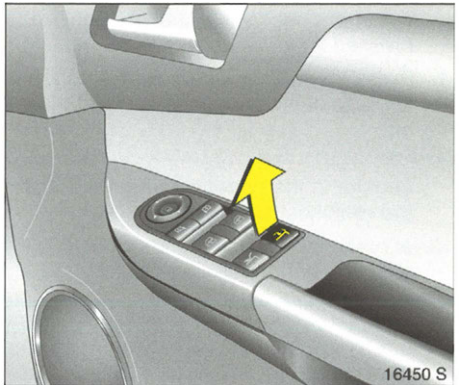
5. Switch on the ignition.

Lift the  button until the roof is completely open and the boot lid is closed. Releasing the button interrupts the operation.

An audible signal sounds at the beginning and end of the opening procedure.

Note: A warning buzzer will sound and the roof will not open when the  button is lifted if:

- The park brake is not applied.
- The roof lock is not released.
- The luggage compartment partition is not locked in the rear position.



RETRACTABLE STEEL ROOF cont.

Closing the roof

The roof must only be closed when:

- the vehicle is stationary
- the boot lid is fully closed.
- The luggage compartment partition is locked in the rear position.
- There are no objects placed in front of the luggage compartment partition.

1. Apply the park brake and switch on the ignition.

2. Press the  button until the roof and boot lid are completely closed. Releasing the button interrupts the operation.

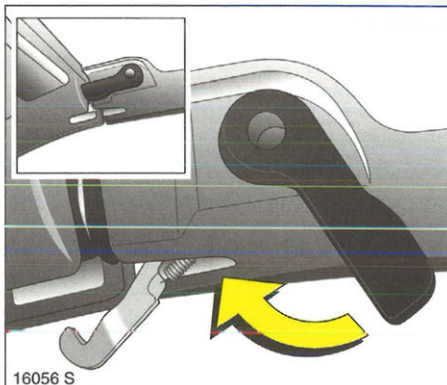
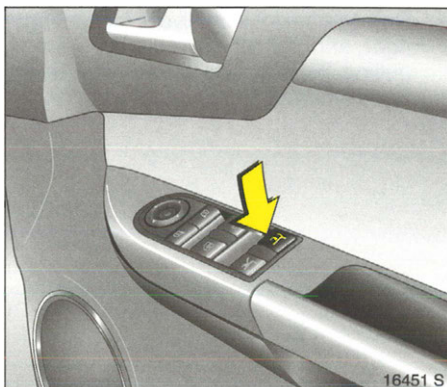
An audible signal sounds at the beginning and end of the closing procedure.

Note: A warning buzzer will sound and the roof will not close when the  button is pressed if the park brake is not applied.

3. Press the locking levers on the right and left side of the window frame all the way up.

IMPORTANT The retaining hooks must engage in the corresponding recess and the roof must securely lock.

Note: A warning buzzer sounds for 5 seconds after the park brake is released and the vehicle starts moving if the roof has not been properly opened or closed. Remedy this by stopping the vehicle and repeating the opening or closing procedure.



If automatic roof operation malfunctions

The automatic roof operation is only functional if the roof has been properly opened or closed previously.

Check if:

- The park brake is applied.
- The ignition is on.
- The luggage compartment partition is locked in the rear position.
- The boot lid is completely closed.
- The locking levers are unlocked.

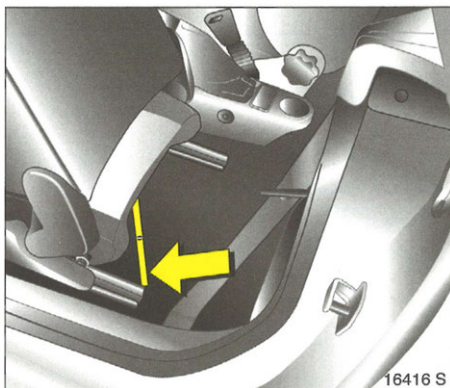
If a fault occurs while the roof is opening or closing, the roof stops in its current position. A warning buzzer sounds after 2 minutes. After an additional minute, power to the system is cut-off. The roof then moves automatically back to the luggage compartment or toward the windscreen frame. In order to close completely, open both windows, remove the key and carry out the missing steps of the following procedure for opening and closing when the automatic drive malfunctions.

RETRACTABLE STEEL ROOF cont.

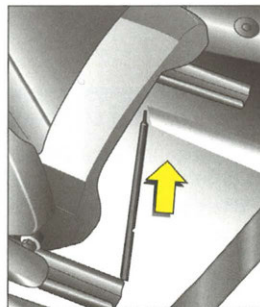
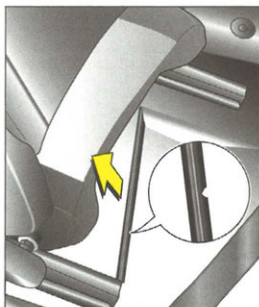
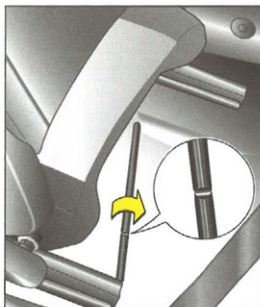
Closing the roof manually

If there is a fault in the automatic drive or a loss of battery power, the fully opened roof can be manually closed as follows:

1. Park the vehicle and apply the park brake.
2. Open both windows or doors.
3. Switch off the ignition and remove the key.
4. Open the luggage compartment. If the battery is flat or there is a malfunction in the boot lid operation, the boot lid must be opened manually. Refer to Chapter 2, Locks.
5. Fold down the passenger seat backrest. The tool is fastened underneath the seat.



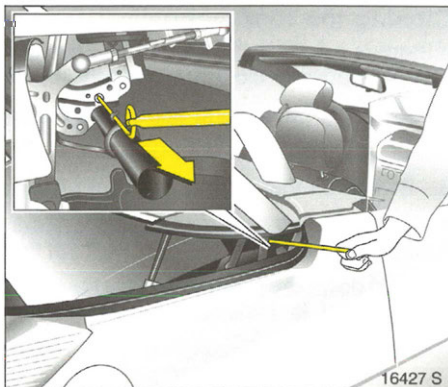
6. Turn the tool 90° to the right to remove.
7. Pull the front of the tool upward and out of the flooring.
8. Pull the tool forward out of the flooring.



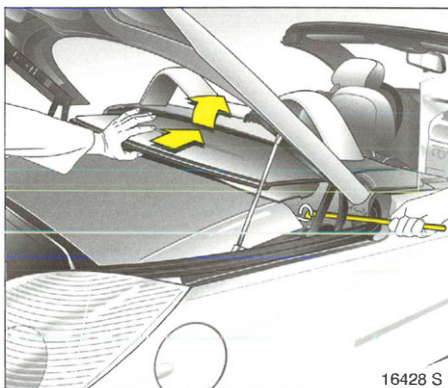
RETRACTABLE STEEL ROOF cont.

9. Use the tool to forcibly pull the lock bar to unlock the cover in front of the rear window.

The lock bar is on the right side of the car below the cover.



10. With the lock bar released, have a helper pivot the cover upward by hand. The noise arising from this is normal.



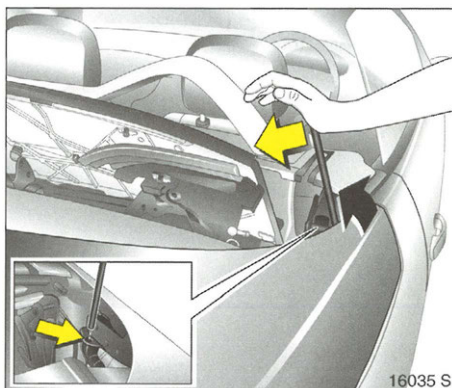
11. Press the button below the boot lid until the boot lid is completely closed.

If this is not possible, close the boot lid again as shown; it must completely engage in the rear lock.

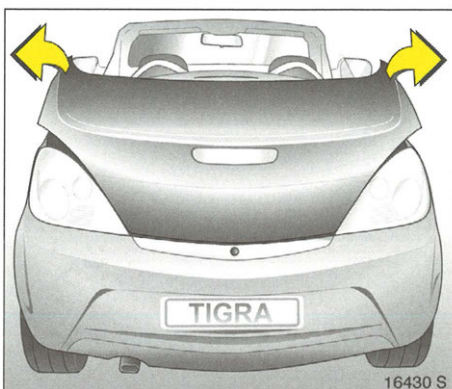


RETRACTABLE STEEL ROOF *cont.*

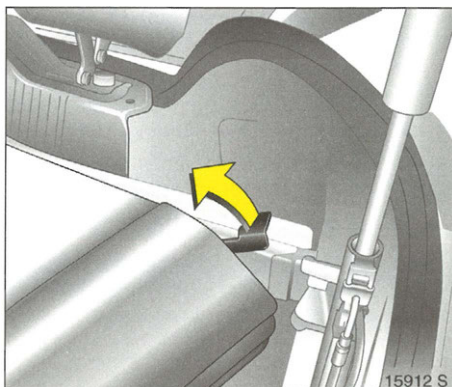
12. Release the front catches of the boot lid using the tool by inserting it in the guide and pressing the upper end inward as shown. At the same time, pull the boot lid slightly upward out of the catch. Carry out the procedure on the right and left sides.



13. With two people working simultaneously on the right and left side, open the boot lid rearward to its end position. Do not twist or tilt the boot lid when doing so.



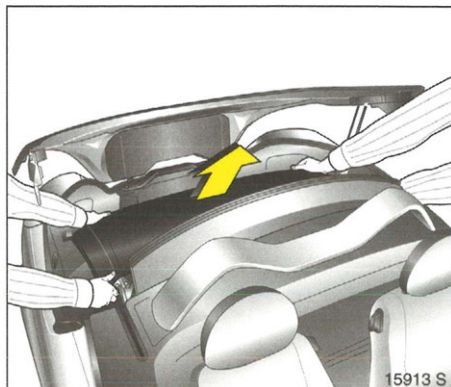
14. Release the roof retainer at the rear left of the luggage compartment partition by raising the release lever.



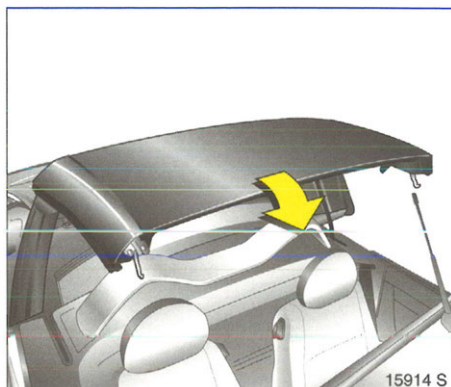
RETRACTABLE STEEL ROOF cont.

15. With two people, carefully and slowly pull the roof upward and forward. Make sure that the boot lid is completely open.

Note: Take care to avoid pinching.



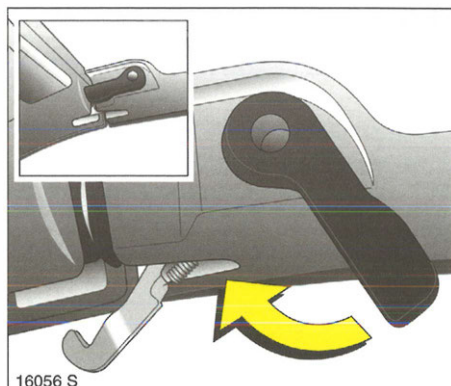
16. Pull the roof up to the windscreen frame.



17. Press the locking levers on the right and left side of the window frame all the way up.

IMPORTANT The retaining hooks must engage in the corresponding recess and the roof must securely lock.

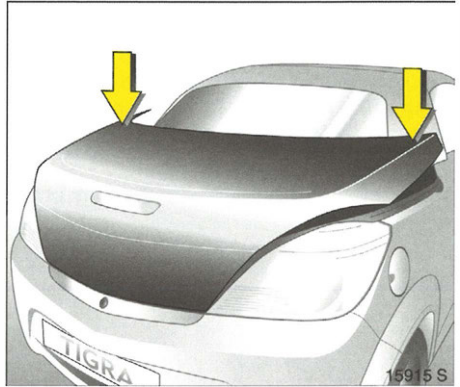
Note: A warning buzzer sounds for 5 seconds after the park brake is released and the vehicle starts moving if the roof has not been properly opened or closed. Remedy this by stopping the vehicle and repeating the opening or closing procedure.



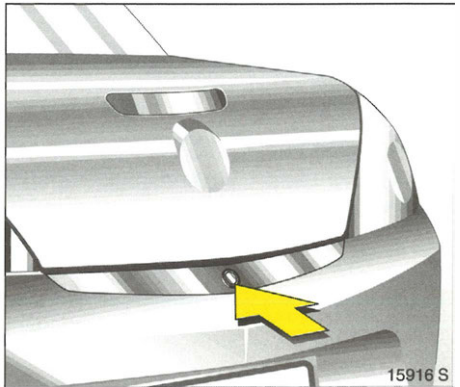
RETRACTABLE STEEL ROOF cont.

18. With two people working simultaneously on the right and left side, close the boot lid.

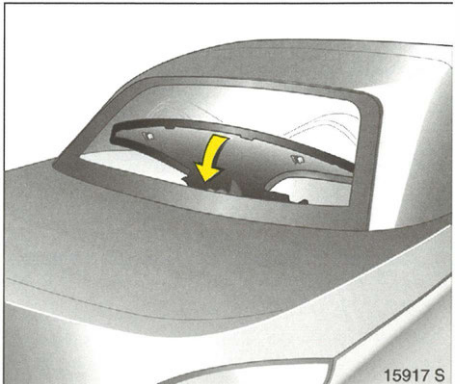
Do not twist or tilt the boot lid. The closed boot lid is not locked.



19. Next, if possible open and close the boot lid once using the button below the boot lid. The boot lid is then locked.



20. Pivot down the cover in front of the rear window.



Opening the roof manually

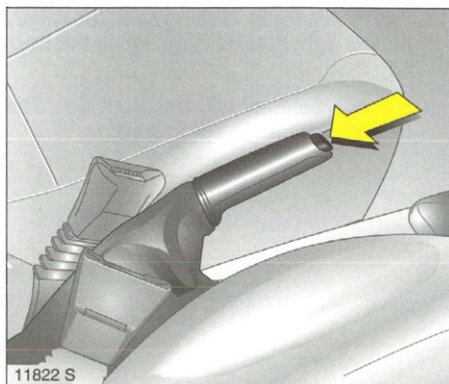
It is not possible to open the roof if there is a malfunction in the automatic operation. Consult your Holden Dealer.

PARK BRAKE AND INTERIOR LAMPS**Park brake**

To apply, pull the lever straight up.

To release, pull the lever slightly upwards, push in the release button on the end of the lever and whilst pressed, lower the lever all the way down.

Never drive the vehicle with the park brake applied.



11822 S

Interior lamp

The interior lamp switch is located in the centre of the headlamp switch.

Press switch = On

Press switch again = Off

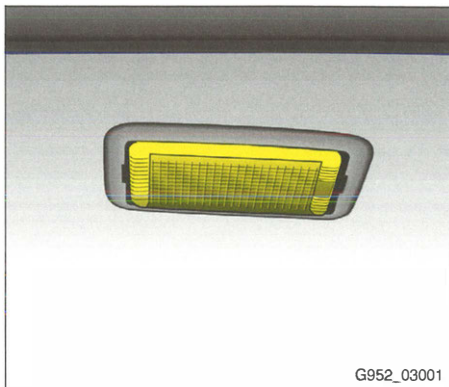
The interior lamp also illuminates when a door is opened.



13721 S

Luggage compartment lamp

The luggage compartment lamp comes on when the boot lid is opened.

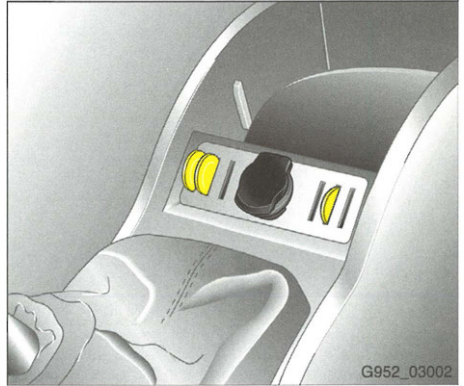


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CONVENIENCE FEATURES

Coin holder

Slots for storing six coins are provided on the centre console.



Glovebox with pen holder

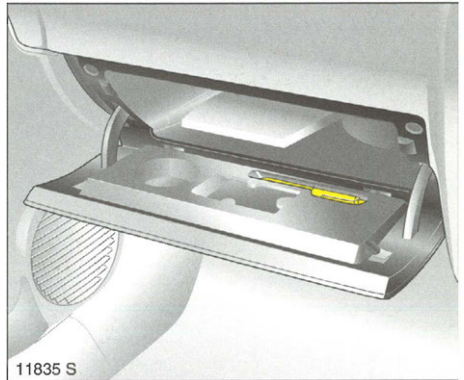
To open the glovebox, pull the handle upwards.

To close the glovebox push the lid shut.

To lock the glovebox, insert the key, turn and withdraw the key.

To unlock the glovebox, insert the key, turn and withdraw the key.

On the inside of the glovebox lid is a recess for pen storage.



CHAPTER 4

Driving

Page	
4-2	Engine starting
4-2	Running-in
4-3	Safety
4-4	Manual transmission
4-5	Brakes
	Anti-lock brake system (ABS)
	Emergency Brake Assist
4-6	Driving precautions
	Engine misfire
	Power steering
	Loose articles
	Tyre traction
	Snow chains

ENGINE STARTING

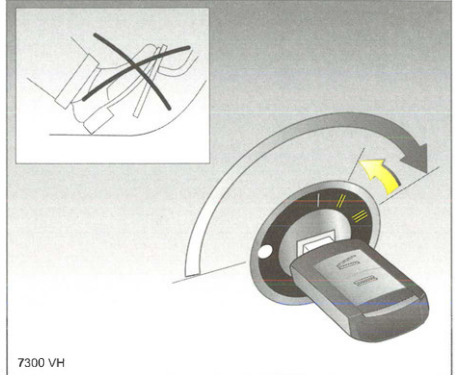
1. Apply the park brake firmly and release it only after you have started the engine and are ready to drive off.
2. Press the clutch pedal and shift the shift lever to the neutral position.
3. For cold and hot conditions, start the engine as follows:

Note: Do not press the accelerator pedal prior to or during starting. This increases cranking time and inhibits engine starting.

Turn the key to the start position and release it when the engine starts.

If the engine does not start and the check engine warning light (⚡) on the instrument panel flashes, turn the ignition off for at least 2 seconds, remove the key and re-insert it before attempting to start the engine again.

If the engine fails to start, consult a Holden Dealer.



Running-in (for the first 1000 km)

- Drive your vehicle at various speeds. Do not use full throttle and never allow the engine to labour at low revs.
- Make good use of all gears. Press the accelerator pedal to a maximum of three quarters of the available pedal travel in all gears and drive ranges.
- Unless necessary, try not to brake too hard during the first 200 km or after new brake pads have been fitted.

Switching off the engine

If the engine temperature is very high, for example after driving in hilly areas, allow the engine to idle for approximately 2 minutes before switching it off (in order to prevent heat accumulation).

SAFETY

Before entering the vehicle

1. Check that windows, mirrors and lamps are clean.
2. Check the tyres are not flat.

Before driving off

1. Be sure that all doors are secured.
2. Position your seat for comfortable driving.
3. Adjust the rear vision mirrors.
4. Fasten seat belts.
5. Check that all the warning lights illuminate when you turn the key to start the engine. Refer to Chapter 1, Dashboard.

Parking

1. Apply the park brake.
2. Place in first or reverse gear.
3. Close the windows.
4. Switch off the exterior lamps.
5. Turn ignition key to the lock position and remove the key.
6. Lock the doors and set the deadlock as appropriate. Refer to Chapter 2, Locks.

WARNING:

- **Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.**
- **Never leave the engine running in an enclosed space, such as a closed garage or underground car park.**

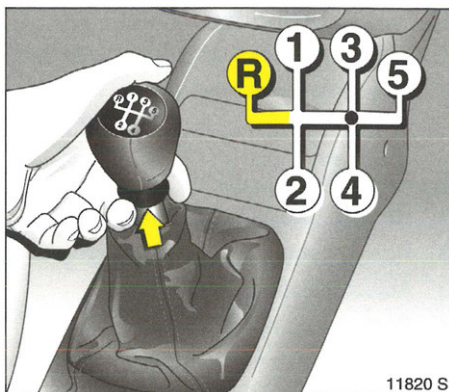
MANUAL TRANSMISSION

This system has five forward gears and a reverse gear. The shift pattern illustrated, is found on the top of the gear shift lever.

When selecting fifth gear you must shift the shift lever sideways against light spring pressure in order to pass into the gear.

To select reverse gear, lift the ring beneath the knob on the gear shift lever and move the lever into the reverse position.

If the gear does not engage easily, then release and depress the clutch pedal or try moving to another gear, before trying again.



11820 S

Operating notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possible chipping of the transmission gears.
- Never attempt to engage reverse gear until the vehicle has completely stopped. A slight pause (a few seconds) between pressing the clutch pedal and moving the shift lever into reverse gear is desirable. This allows the rotating components to stop and helps avoid gear clashing. Whenever reverse gear is selected with the ignition on, the reverse lamps illuminate.
- Shift the shift lever with a moderate effort to allow time for the transmission synchronisers to work properly.
- Do not drive with your foot resting on the clutch pedal. This will cause substantial clutch wear.
- When stopped on an incline, do not hold the vehicle by slipping the clutch. Use the park brake or brake pedal.
- To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the descent.
- Do not overspeed the engine when shifting down to the next lowest gear.

BRAKES

Braking precautions

- The power assisted brakes fitted to your vehicle use vacuum from the engine when it is running. Never drive the vehicle down steep grades with the engine turned off. Never coast with the engine switched off.
- Driving through water may affect performance. Applying the brakes lightly will indicate whether the brakes have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.
- Do not obstruct the brake pedal with ill-fitting floor mats or any other material under the pedal, which causes interference with normal pedal movement.
- Position your seat so you can push the brake pedal satisfactorily at all times.

Anti-lock Brake System (ABS)

Anti-lock Brake System (ABS) continuously monitors the vehicle's brake system and prevents the wheels from locking, irrespective of the road conditions and tyre grip. It starts to regulate the braking effect as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even in the event of panic braking, for instance on bends or when swerving to avoid an obstacle.

However, do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style.

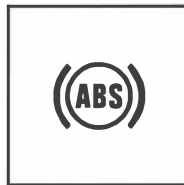
In an emergency braking situation the driver should keep full force on the brake pedal, without 'pumping' the brake pedal. 'Pumping' the brake pedal can reduce brake efficiency when ABS is controlling the braking.

The ABS warning light illuminates for a few seconds when the engine is switched to position II (ignition on). If it does not go out, or if it illuminates when driving, there is a defect in the ABS. The vehicle's brake system remains operational but without ABS assistance. Consult your Holden Dealer as soon as possible.

The braking effect is regulated by the ABS every millisecond during braking.

When your vehicle is in a critical braking condition ABS is noticeable through pulsing of the brake pedal and the noise of the regulation process. This reminds you to match your speed to the road conditions, even though ABS is in control of the braking.

Shortly after driving off again, the system performs a self check which may be audible.



Emergency Brake Assist

Emergency brake assist allows you greater control of vehicle deceleration in both standard and emergency braking situations and reduces the pressure and effort needed to stop the vehicle.

DRIVING PRECAUTIONS

Engine misfire

Reduce speed until the misfiring is corrected at the nearest Holden Dealer. Otherwise, the catalytic converter and exhaust system may overheat, resulting in vehicle damage.

Power steering

If the power steering is rendered ineffective because a fault has developed with the power steering system, you can still steer the vehicle.

However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

Loose articles

Do not leave loose articles or luggage in the passenger compartment. Whenever possible, firmly secure loads stowed in the luggage compartment. Refer to Chapter 10, Tow and load.

WARNING:

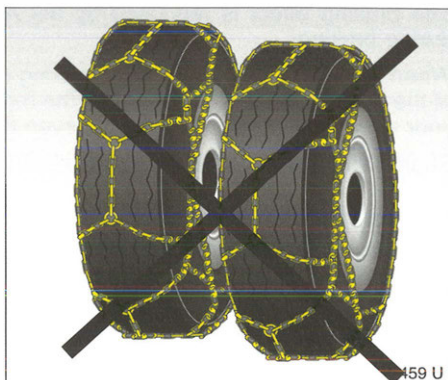
Gas cylinders can leak, creating a risk of fire or explosion. As a precaution, ensure adequate ventilation when carrying gas cylinders. They must be restrained from rolling around, and where possible, placed in the load area of the vehicle. It is recommended that if gas cylinders are frequently transported that a purpose-built carrying compartment be used. Transportation of gas cylinders is regulated by legislation in some states.

Tyre traction

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other materials are on the road surface. Adjust driving practices and vehicle speed to the road conditions.

Snow chains

Due to a lack of clearance, tyre chains should not be fitted.



CHAPTER 5

Fuel

Page

5-2	Fuel
5-3	Petrol filling
5-5	Emission control
5-6	Reducing fuel consumption

FUEL

EXHAUST WARNING – CARBON MONOXIDE POISONING

- Exhaust gases can produce carbon monoxide; a dangerous gas, which can cause unconsciousness and even death to both humans and animals.
- You could inhale the gases if the exhaust system on your vehicle is faulty.
- To protect against exhaust gases entering the vehicle, the exhaust system and the body should be inspected:
 - each time the vehicle is serviced,
 - whenever a change is noticed in the sound of the exhaust system,
 - whenever the exhaust system, underbody or rear of the vehicle is damaged.
- Take the vehicle to your Holden Dealer if you think your vehicle needs inspecting.
- Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running.
- Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.
- Driving with the boot lid open is not recommended. If you must travel with the boot lid open, close the windows and ensure that the heater controls are set to outside air (not recirculated air) directed to the face, with the fan on the highest speed. Do not exceed 50 km/h.

When the vehicle is driven for the first time, wax and oil on the exhaust system may evaporate producing smoke-like emissions which should not be inhaled. Allow the wax and oil to evaporate while the vehicle is in the open air.

LPG conversion

These vehicles have not been designed by Holden to be converted to LPG and Holden does not provide LPG conversion kits for these vehicles. Please refer to the warranty section in Chapter 9. Your warranty may be invalidated to the extent that any LPG alterations affect the specifications of your vehicle.

WARNING – USE OF FUEL CONTAINING ETHANOL

When purchasing such fuel, we recommend that your vehicle be operated on fuel containing no more than 10% ethanol. Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel with more than 10% ethanol or fuel which contains abnormal fuel properties.

Under no circumstances should you use fuel containing more than 10% ethanol. Use of such fuels may result in engine malfunction, starting and operating difficulties, and materials degradation. These adverse effects could result in permanent damage to your vehicle and personal injury. It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

The use of fuel containing more than 10% ethanol may also affect your New Vehicle Warranty to the extent that Holden considers that the fuel affects the specifications and quality of your vehicle.

PETROL FILLING

WARNING:

- **Petrol should be regarded as extremely flammable and highly explosive.**
- **Always turn off the engine and any mobile phones when refuelling.**
- **Do not smoke or allow open flames or sparks near the vehicle when refuelling.**
- **If petrol fumes are smelt while driving, the cause should be found and corrected without delay by a Holden Dealer.**

The petrol filler is located on the driver's side of the vehicle.

The petrol flap is unlocked when the doors are unlocked and locked when the doors are locked.

Remove the cap by turning it anticlockwise. Place the cap in the retainer on the inside of the petrol flap while filling.

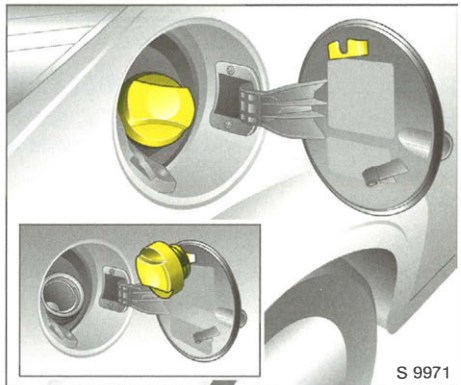
After refilling, refit and firmly tighten the cap clockwise.

Close the petrol flap.

Over filling of the petrol tank can affect the evaporative Emission Control System and can also result in a smell of petrol inside the vehicle. Therefore:

1. Petrol tanks should always be filled at the intermediate or fast fill rate. Do not add any more petrol after the petrol filler first clicks off (or petrol blows back) – as this allows room for the petrol to expand inside the tank.
2. It is permissible to 'trickle fill' petrol tanks when vehicles are to be driven for more than 50 km straight after the tank is filled. However, this is not recommended on hot days (over 30°C).

Wipe off any overflowing petrol from the vehicle immediately; close the fuel opening then spray or splash with water.



PETROL FILLING cont.

Refer to Chapter 8, Specifications for fuel tank capacities.

Petrol filler nozzle restrictor

To help the atmosphere, your vehicle has been designed to operate on unleaded petrol. A petrol nozzle restrictor is fitted to ensure that only unleaded petrol is used. This allows the smaller diameter, unleaded petrol nozzle to open the hinged flap inside the filler neck, so that petrol can be added to the tank.

The leaded petrol nozzle is wider and therefore cannot open the flap.

The use of fuel other than unleaded fuel will seriously damage the fuel system of your vehicle (particularly the catalytic converter and oxygen sensor) and may void your Warranty.

Petrol requirements RON (Research Octane Number)

Use clean, unleaded petrol of at least 91 octane rating. High octane (Premium unleaded) can be used and will provide slight improvement in engine performance.

WARNING:

The use of any fuel other than the fuel specified, may cause serious damage to your vehicle and may void your New Vehicle Warranty. Only clean fuel of good quality should be used.

EMISSION CONTROL

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

Owner responsibility

Vehicles sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

The engine or exhaust system of your vehicle must not be modified in any way. Any change to the Manufacturer's design may increase the emissions or otherwise defeat the intent of the regulations.

WARNING:

Any person who removes, modifies or hinders any part of the emission control system fitted to a vehicle will be contravening Australian Design Rules. Refer to A.D.R. 83/00 (External Noise for Motor Vehicles) and – A.D.R. 79/01 (Emission Control for Light Vehicles).

It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

To ensure continuing compliance with the regulations you must maintain your vehicle's emission control system as per your vehicle's service manual, at the frequency shown in the Maintenance schedule in Chapter 12, Servicing.

It is recommended that the necessary servicing be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

REDUCING FUEL CONSUMPTION

Engine

Maintain the engine in peak mechanical condition by having it serviced regularly in accordance with the Maintenance schedule in Chapter 12, Servicing. This ensures items such as the spark plugs and air cleaner are maintained for minimum fuel usage and peak engine performance.

Tyre pressure

Inadequate tyre pressure causes higher fuel consumption and increased tyre wear. Keep the tyres at the recommended pressures.

Wheel alignment

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag and increases fuel consumption.

Warm ups and idling

Avoid long engine warm ups through idling. They are unnecessary and waste fuel. An engine reaches its efficient operating temperature most effectively when driving.

You should also avoid long engine idling. If you have to wait for more than a couple of minutes it is worthwhile to switch off the engine and conserve fuel. Three minutes of idling corresponds to approximately 1 km of driving.

Accelerating, driving and braking

Accelerate gently and avoid rapid starts. Sudden bursts of speed, full throttle acceleration and hard braking are certain fuel wasters.

Drive the vehicle at steady speeds where possible (after run-in). It is desirable to reach top gear as soon as possible, but under no circumstances should you force the engine to labour in top gear.

Riding the brake

'Riding the brake' by resting your foot on the brake pedal when you do not intend to brake, can cause overheated brakes. This can wear out the brake pads faster, damage the brakes and waste fuel.

Air conditioning

Turn off the air conditioning when not required, to reduce fuel consumption.

Loading

Unnecessary weight increases fuel consumption, especially when accelerating. In city traffic, a load of 100 kg can increase fuel consumption by 0.5 litre per 100 km.

CHAPTER 6

Emergencies

Page

6-2	Accidents
	Being involved
	Being a witness
	Medical assistance
6-4	Flat tyre
6-8	Towing your vehicle
6-9	Engine overheating
6-11	Flat battery
6-13	Airbags
6-17	Fuses
6-21	Bulb replacement

Your new vehicle is covered for three years by 24 hour Roadside Assistance. Refer to Chapter 9, Customer assistance.

ACCIDENTS

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to-mouth resuscitation or may have to be moved, even though badly injured.

It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs. In all cases, ensure safety for the rescuers, victims and bystanders.

The following notes may help.

Part 1. Accident – being involved

If you are involved in an accident you are advised to do as follows:

- Stop immediately and remember to turn off the engine and apply the park brake.
- Remember that time is vital. Remain calm and alert. Think quickly and clearly.
- Give all possible assistance to all injured persons (refer Part 3. Medical assistance).
- Send for police and ambulance if anyone has been injured. Give information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.
- Warn all other traffic approaching the scene. Turn off all ignition switches. Stop any smoking and mobile phone use near spilt petrol. In darkness, try and light up the area to warn others - use hazard lamps, a torch, headlamps. Do not use flammable items.
- Clear the road of accident debris.
- Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.
- If damage to property only has occurred, report the facts to the owner of the damaged property, to his or her representative, to any police present at the scene or to the nearest Police Station.
- Try to note all important facts because such details may be important if needed later.

Part 2. Accident – being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident:

- Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.
- Do not stop at the scene of an accident just to be a spectator.
- Where other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.
- Give what assistance you can to any injured persons. Refer Part 3. Medical assistance.

ACCIDENTS

Part 3. Medical assistance

This information is basic first aid information which is intended as a guide only and may not be applicable in all situations. You should always defer to a trained medical officer or other person with first aid knowledge. Protective equipment, such as rubber gloves are recommended.

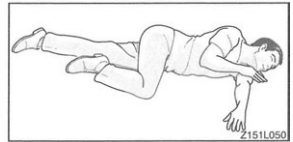
Keep calm and think clearly. Your experience may not be much but do your best.

- Look after the unconscious person first. Check airway, breathing and circulation. If there is no breathing, check if air passages are clear; that is, the nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.
- You must be very careful when moving an injured person. It is best not to move at all, except if in danger, as serious and permanent damage can be done to an injured neck or back if not supported during movement.

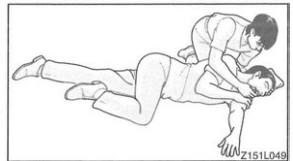
AVOID BENDING OR TWISTING A NECK OR BACK. KEEP THEM STRAIGHT.

All injured limbs require support when an injured person has to be moved.

- Unconscious people can choke. To help avoid this:
 - carefully turn the person to one side
 - tilt their head back slightly
 - wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.



- Provided it is not dangerous to do so due to injuries, an unconscious person will do best in the following position:
 - lay the person on one side
 - bend the uppermost knee until the thigh is at a right angle to the body
 - bend the uppermost shoulder and elbow so that the hand lies near the face
 - gently pull the underneath arm so that it rests straight on the ground free of any body weight.



- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound but never use a tourniquet.
- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. It is best not to give any fluids and never alcohol.
- If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending or twisting the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

FLAT TYRE

WARNING:

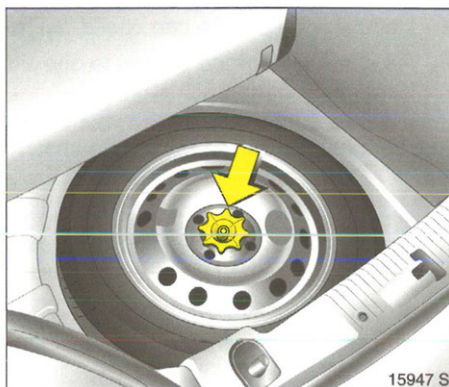
- Use the jack only for lifting the vehicle when changing wheels.
- Never get beneath the vehicle when it is supported only by the jack.
- Do not start or run the engine while the vehicle is supported only by the jack.
- All passengers should be out of the vehicle when it is being jacked.
- Use the jack only at the designated lifting points. Use in other locations could damage the vehicle.
- The vehicle should only be jacked on hard, level surfaces.
- The vehicle is fitted with alloy wheels and supplied with a steel spare wheel, the flat tyre on the alloy wheel should be repaired and refitted to the vehicle as soon as possible.

Refer to the spare tyre placard inside the petrol flap for tyre size and rating

1. Park on a level surface.
2. Ensure the wheels are pointing straight ahead and set the park brake firmly.
3. Remove the ignition key.

Lock the steering and move the shift lever to reverse gear and switch on hazard warning lights.

4. Remove the spare wheel, jack and tool kit.



RIM SIZE	TYRE SIZE	INFLATION PRESSURE
16 X 6J	205/50 R16 87V	250 kPa

WARNING: TEMPORARY SPARE WHEEL

Your vehicle is fitted with a temporary spare wheel. The temporary spare wheel is for emergency spare use only; drive carefully and do not exceed 80 km/h when the wheel is fitted on the vehicle.

Your vehicle's handling capabilities will be reduced when the temporary spare wheel is fitted. Only one temporary spare can be used on the vehicle at the one time. The flat tyre should be repaired and refitted to the vehicle as soon as possible.

FLAT TYRE cont.**Spare wheel**

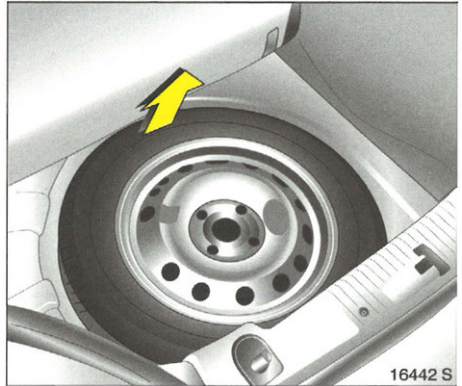
The spare wheel, jack and tool kit are stored under the luggage compartment floor area.

Close the Retractable steel roof and fold the luggage compartment partition forward, refer to Chapter 3, Know Your Vehicle.

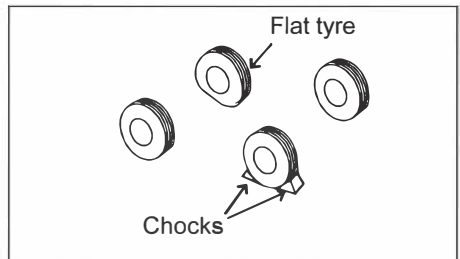
Lift the floor cover to access and remove the spare wheel. The spare wheel is secured by a large plastic wing nut.

Pull the spare wheel forward and then upward out of the wheel well.

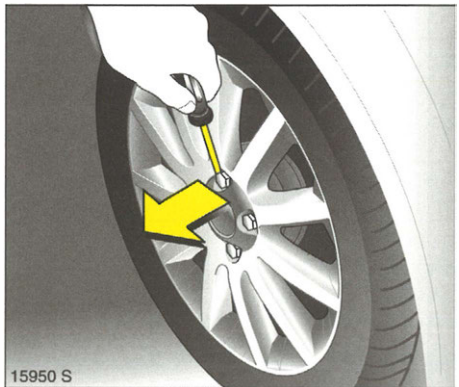
The jack and tool kit are stowed in a bag underneath the spare wheel.



5. Chock the wheel diagonally opposite the flat tyre by placing wedge blocks, any available blocks of wood or rocks behind and in front of it.



6. Use the screwdriver to remove the plastic wheel bolt caps.

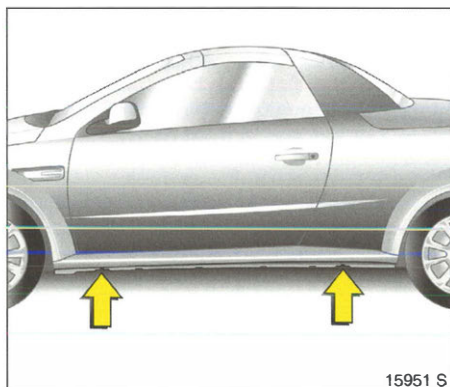


FLAT TYRE cont.

7. Loosen (but do not remove) the wheel bolts with wheel bolt wrench.

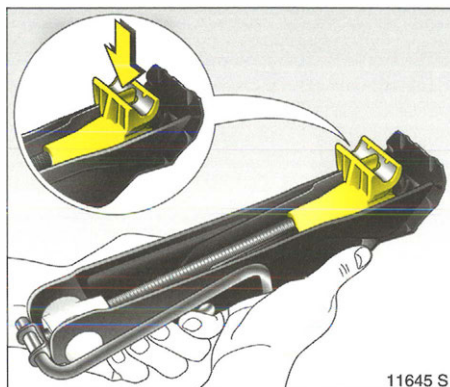


8. Depressions on the lower edge of the vehicle underbody indicate the points where the jack is to be placed.

**WARNING:**

Failure to position the jack as described above could result in serious personal injury or vehicle damage caused by the vehicle slipping off the jack

9. Before attaching the jack, set it to the required height by hand. Fit the jack arm at the front or rear in such a way that the jack claw (arrowed) goes around the vertical ridge and engages into the recess in the ridge.

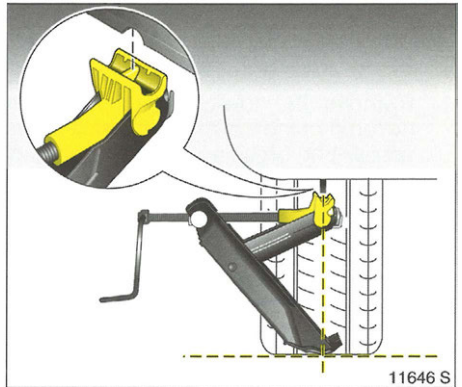


FLAT TYRE cont.

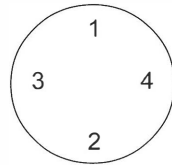
10. Position the jack in the underbody depression that is nearest the flat tyre.

Ensure that the centre of the jack claw is in line with the half circle cutout in the underbody and that the jack base is in line with the claw. If the jack is not aligned correctly as the vehicle is raised, carefully lower the vehicle immediately and reposition the jack correctly.

11. Raise the vehicle by turning the crank handle, until the tyre is clear of the ground.



12. Remove the wheel bolts and place together in a dry spot, to avoid getting dirt in the threads.
13. Remove the wheel from the vehicle and change it over with the spare.
14. Install the wheel bolts and tighten by hand. Then, with the wheel wrench, lightly tighten in a crisscross sequence.
15. Lower the vehicle completely and remove the jack.
16. Fully tighten the wheel bolts with the wheel wrench in a crisscross sequence, as shown.
17. Install the individual wheel stud caps
18. Stow away wheel, tools and jack.
19. Check the pressure of the newly fitted tyre as soon as possible.
20. Have the flat tyre repaired as soon as possible.

**WARNING:**

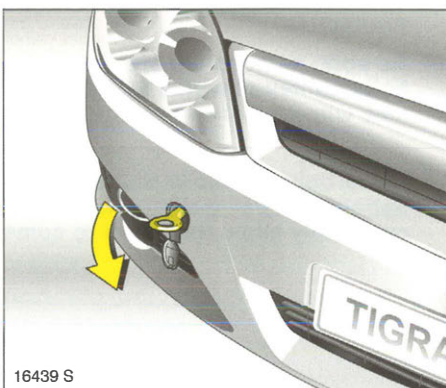
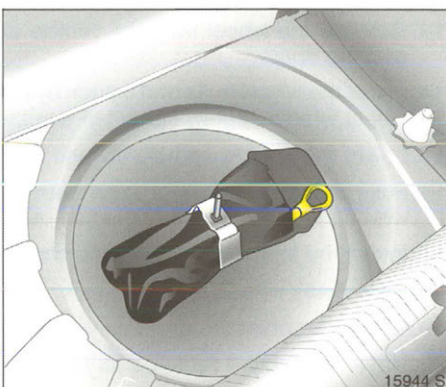
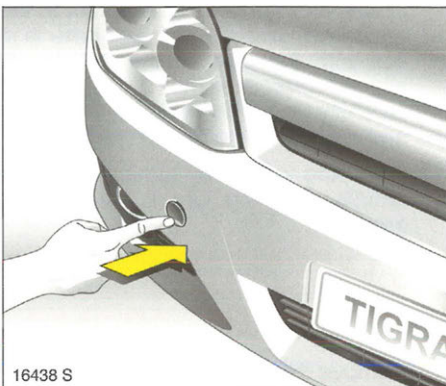
As soon as possible after changing a wheel, you should have the wheel bolts tightened with a torque wrench to 110 Newton metres and have the new wheel balanced on the vehicle.

Wheel bolts should be tightened evenly to the correct torque in a crisscross pattern. Wheel bolts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.

TOWING YOUR VEHICLE

Proper lifting or towing equipment is necessary to prevent damage during any towing operations. Follow state and local laws. In an emergency, your vehicle may be towed on all four wheels in the following manner:

1. Remove the towing eye hole cover (located at the front, driver's side of the vehicle) by pressing the lower edge of the cover then pulling it outwards.
2. The towing eye is located with the jack and tools.
3. Screw in the towing eye anticlockwise as far as it will go and use the wheel bolt wrench to tighten it until it is horizontal.
4. Attach a tow rope to the eye. Do not attach it to the bumpers, brackets or any other part of the vehicle.
5. Place the transmission in neutral and release the park brake.
6. Switch the ignition to position II (on). This frees the steering lock and allows the correct operation of the windscreen wipers, horn and turn signals.
7. For safety and to prevent damage to the vehicle, avoid jerky movements and drive slowly during towing operations.
8. Remember that power assist for brakes and powersteering is not available when the engine is off. Therefore, more effort is required to brake and steer.
9. To prevent the entry of exhaust fumes from the towing vehicle into the passenger compartment of your vehicle, close Retractable roof, close the windows and move the heating and ventilation controls to the recirculate position.
10. Only the driver should be in a towed vehicle.



ENGINE OVERHEATING

WARNING:

Immediate action is required if the engine overheats. This can be indicated by the temperature gauge needle moving to the red zone, by steam escaping from under the bonnet, a loss of power or a loud knocking or pinging noise.

Continued driving EVEN FOR A SHORT TIME could cause a fire or vehicle damage.

Pull out of the traffic as soon as possible and stop the vehicle. Leave the engine idling and the park brake applied while you get out and check that the cooling fan is working.

WARNING:

Do not open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Scalding fluid and steam can be blown out under pressure which could cause serious burns. Wait until no steam or coolant can be seen or heard before opening the bonnet.

If the fan is working and the temperature gauge needle has not returned to its normal position within a few minutes stop the engine and remove the ignition key.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump.

Take care when checking all these areas as they will probably still be hot.

If you find a major leak or other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected.

If you do not find anything wrong then you should check the engine coolant level in the surge tank.

The coolant level in the surge tank should be slightly above the KALT / COLD mark, indicated by the arrow symbol ↴ visible on the surge tank, when the system is cold. The level rises with the engine operating temperature and drops again when the engine cools down.

If the level falls below the mark, the coolant should be replenished to a little over the mark.

WARNING:

Do not remove the cooling system cap if the engine and radiator are still hot.



11677 S

ENGINE OVERHEATING cont.

If the level is low, remove the surge tank cap as follows:

Cover the surge tank cap with a thick cloth. Slowly turn the cap anticlockwise and remove.

Top up the surge tank with clean water to a little over the KALT / COLD level, indicated by the arrow symbol ↴ visible on the surge tank, when the engine is idling.

Install the cap and leave the engine idling for a few minutes.

If, after taking one or more of the above actions the temperature gauge no longer signals an overheat condition, resume driving at a reduced speed. Return to normal driving after 10 minutes if the temperature gauge does not again show an overheat condition.

If overheating occurs again you should have the vehicle attended to as soon as possible by a Holden Dealer.

Note: With this type of sealed, pressurised cooling system, there should be very little loss of coolant. If the surge tank is low, a leak is indicated. Consult your Holden Dealer as soon as possible to fix the leak.

The engine may temporarily operate at high temperatures during more demanding operating conditions, especially on very hot days. These conditions include:

- climbing a long hill
- stopping immediately after high speed driving
- idling for long periods in traffic

Avoid operating your vehicle for prolonged periods in any of the above circumstances if the temperature gauge indicates a high engine coolant temperature.

Refer to Chapter 7, Weekly checks for maintenance instructions to help protect your cooling system from overheating.

FLAT BATTERY

WARNING:

Do not attempt to 'push start' this vehicle, as it is fitted with a catalytic converter and if uncombusted fuel reaches the catalytic converter and ignites, the converter could overheat or be destroyed by backfire.

If your vehicle will not start due to a flat battery, it can often be started by using energy from a battery in another vehicle – a procedure called 'jump starting'.

Please read the following procedure in full before attempting to jump start your vehicle.

If after reading the following procedure you are still unsure about jump starting we strongly recommend for your safety and that of your vehicle that you see a Holden Dealer. Consult your Holden Dealer if the battery repeatedly discharges.

Jump starting

WARNING:

The battery of your vehicle has a negative earth and a 12 volt rating. The battery in the other vehicle must be the same voltage and also have a negative earth. The battery capacity of the charged battery must not be substantially lower than that of the discharged battery.

Check the specifications of the other vehicle battery to see if it complies. Serious injury or damage may result if the wrong type of battery is used.

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

- **Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.**
- **Do not smoke near a battery.**
- **Wear eye protection such as industrial safety glasses.**
- **Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.**
- **Be sure any batteries that have filler caps are properly filled with fluid.**
- **Remove rings, metal watch bands and other metal jewellery before working around the battery.**
- **Carefully follow each step in the jump starting process.**
- **Never use a quick charger to start your engine.**
- **Do not lean over the battery during jump starting.**
- **Always use spike protection jumper leads to avoid damage to electrical components.**

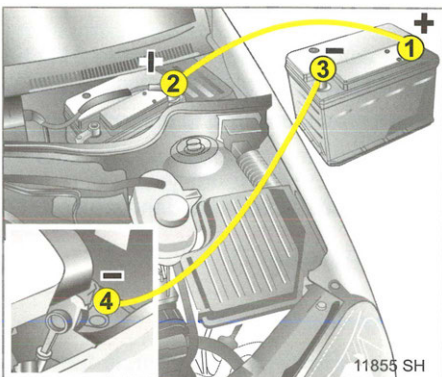
FLAT BATTERY cont.

Position the two vehicles so that they are not touching and apply the park brakes. Place manual transmissions in **Neutral** and automatic transmissions in **Park** (other vehicle).

Turn off the ignition and all lamps and accessories in both vehicles (except for the hazard warning flashers and any lamps needed for the work area).

Connect the leads in the order shown in the picture:

1. Attach one end of the first jumper cable to the positive terminal of the charged battery (identified by **+** or **P** on the battery case, post or clamp).
2. Connect the other end of the same cable to the positive terminal of the flat battery.
3. Attach one end of the second jumper cable to the negative terminal of the charged battery (identified by **-** or **N** on the battery case, post or clamp).
4. Connect the other end to a solid stationary, metallic point on the engine that has the flat battery.



Note:

- Do not connect directly to the negative post of the flat battery. The connection should be as far away from the flat battery as possible.
- When making all connections take care that the clamps from one cable do not inadvertently touch the clamps on the other cable. Also, ensure that the jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.
- Start the engine in the vehicle with the charged battery and run the engine at a moderate speed. Then start the engine in the vehicle with the flat battery.
- Attempts to start the engine with the flat battery should be made at intervals of one minute and should last no longer than 15 seconds.
- After starting, allow both engines to idle for approximately 3 minutes with the leads still connected.
- Leave the engine running as you remove the jumper cables by reversing the above sequence exactly. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

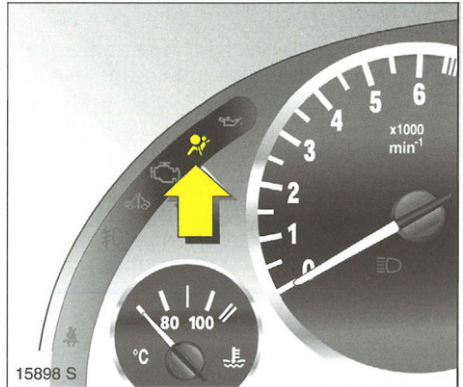
AIRBAGS

The vehicle is fitted with front airbags and side impact airbags for both the driver and passenger.

Warning light

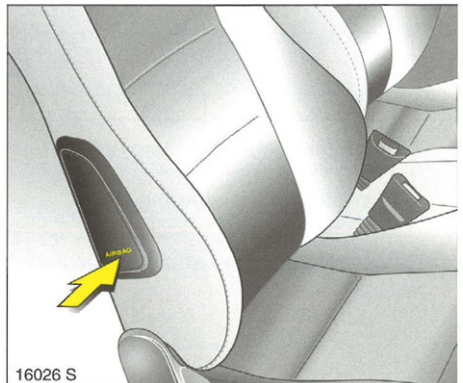
The  light on the instrument panel will illuminate for a few seconds when the ignition is switched on. This indicates that the airbags are operational.

If the light does not illuminate when the ignition is switched to on or if it comes on when driving, contact your Holden Dealer as the system may not function correctly, especially in an accident.



The airbag system is identified by the word **AIRBAG** at the airbag locations:

- On the steering wheel
- Above the glovebox
- On the door side of the front seats



AIRBAGS cont.

Operation

If your vehicle is involved in certain severe collisions, the airbags within the relevant impact zone will inflate, assisting the seat belts to restrain body movement, refer to Impact information, following.

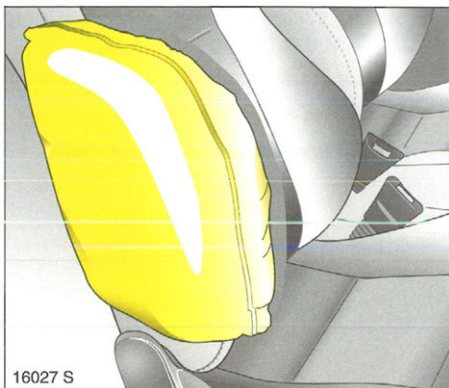
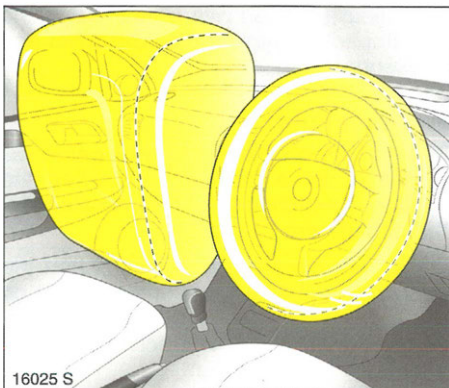
When triggered, the airbags inflate in milliseconds and form a cushion for the driver and front passenger. Forward movement and / or movement in the respective door areas is cushioned reducing the risk of injury.

Impairment of view will not occur as the airbags quickly deflate; the whole process taking only a moment.

An operating noise may be heard and a small amount of smoke-like gas will be released. The gas is harmless and does not indicate malfunction or fire.

Note:

- The airbags assist, but do not replace the seat belts.
- The front airbags are NOT designed to inflate if the vehicle is hit from the rear or side or if the vehicle overturns.
- Seat belts should be worn by all occupants (by law) whenever the vehicle is moving.
- Airbags inflate with great force. If you are too close to an inflating airbag it could seriously injure you. Seat belts help keep you in position in a crash.
- The airbags inflate with extreme rapidity. It is, therefore, important that seats are correctly adjusted. Adjust the seat to suit the occupant's height.
- The driver should be sitting upright with slightly bent arms when holding the upper area of the steering wheel.
- The passenger seat should be as far back as possible, with the back rest upright.



AIRBAGS cont.

Independent operation

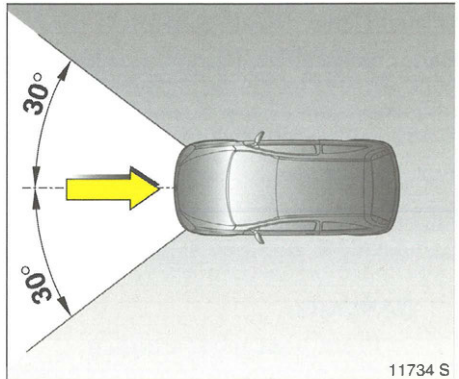
The front airbags and the side airbags are triggered independently of each other.

The driver and passenger front airbags operate as a pair (they are triggered simultaneously) and the side airbags operate independently.

Impact – front airbags

The front airbags will inflate if the vehicle experiences certain severe impacts within the non-shaded section illustrated.

The front airbags will NOT inflate if the vehicle is struck from the side, rear or in some rollovers. Always wear a seat belt.



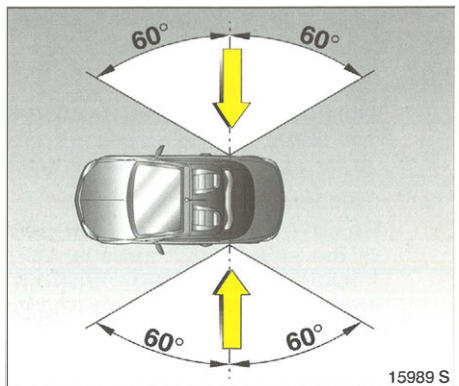
Impact – side airbags

The side airbags (on the side of impact) will inflate if the vehicle experiences certain severe impacts within the non-shaded section illustrated.

The side airbags will NOT inflate if the vehicle is struck outside the range shown in the illustration. Always wear a seat belt.

After use, the whole airbag system must be replaced, preferably by a Holden Dealer.

The system should also be inspected by a Holden Dealer if the steering wheel or dashboard area is scratched, cracked or damaged. Keep the horn pad area clear, as failure to do this may hinder airbag operation.



The electronics controlling the airbag system and belt pretensioners are located in the centre console. To prevent malfunctions, do not place magnetic objects in the immediate vicinity of the console.

Extensive design and testing has gone into the airbag system. It should however, be treated with respect. Any careless or unskilled interference with the system could lead to its failure or to accidental inflation.

Any work to the electrical system, steering column, dashboard area, steering wheel or airbag system should only be carried out by an authorised Holden Dealer.

AIRBAGS cont.

Do not touch any airbag system internal components or wires. The wires can be identified by yellow taping or yellow tubing and the connectors are also yellow.

Scrapping a vehicle that has an uninflated airbag or airbags can be hazardous. Ask your Holden Dealer for assistance.

BULL BAR NOTE: Fitting a bull bar or making other modifications to the front of the vehicle, may change the impact speed which would normally cause the airbag to inflate, reducing its effectiveness. Bull bars should not be fitted to vehicles operating in suburban areas, as they increase the risk of injury to a pedestrian in the event of a collision.

Bull bars are only recommended for country / outback areas, where additional protection from straying animals is required. Please remember that defensive driving and limiting driving speed to the road conditions is always the best approach, particularly where road side signs indicate wildlife is abundant.

WARNING:

- **Front passenger's airbag:**

The dashboard area must be kept clear. Do not place any objects over the dashboard or between an airbag and yourself. Nothing should hang from the sun visor or mirror and a passenger must not rest their feet on the dashboard.

- **Driver's airbag:**

The horn pad must not be covered with adhesive or any other material. The driver should adjust the seat as far back as possible and sit back as far as possible while still maintaining control of the vehicle.

- **Side impact airbags:**

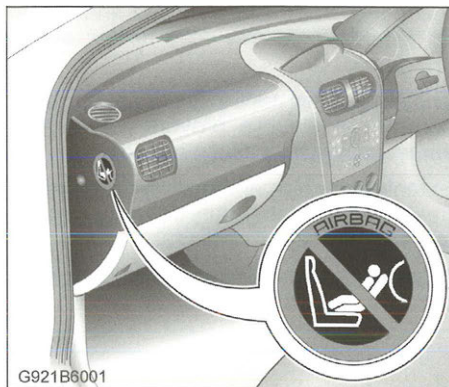
Do not fit unauthorised seat covers as they may impair the deployment of the side impact airbags. Do not position your body or any object (including pillows) between front seats and doors. Front seat occupants should not lean on or sleep against the door. Always sit centrally in the seat.

Child restraints and passenger airbag

Tigra models are not fitted with child restraint anchorages.

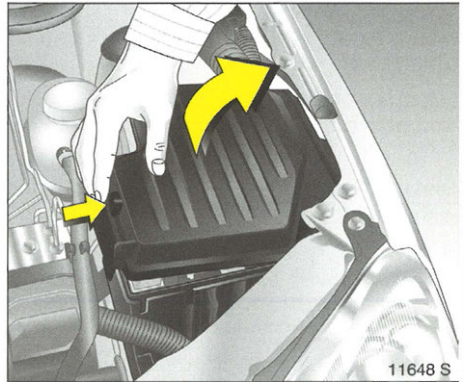
WARNING – EXTREME HAZARD:

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it. The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.



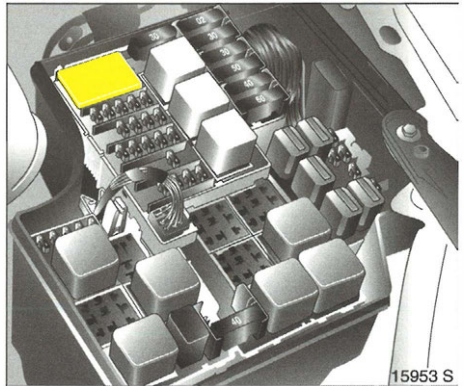
FUSES

The fuses are located between the passenger side headlamp and the coolant surge tank. To open the fuse compartment, press the retaining clip towards the compartment lid and lift the lid upwards.



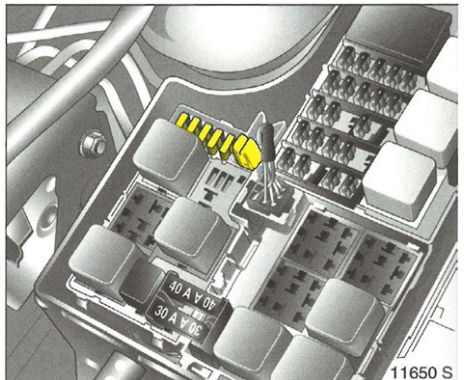
Remove the lid completely to access the fuses.

The additional cover (shown in yellow) may also need to be removed.



It is recommended that a complete spare set of fuses are carried. There is provision in the fuse box for the storing of spare fuses.

Note: Some circuits may be protected by more than one fuse.



FUSES cont.

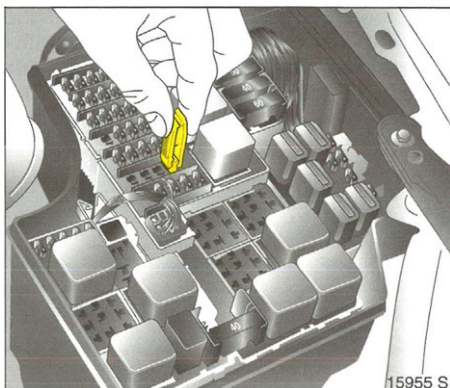
To help in replacing fuses, there is a special fuse gripping tool located beside the spare fuses in the fuse box.

Before replacing a fuse, turn off the respective switch and remove the ignition key.

Slot the fuse gripping tool onto the fuse and withdraw.

A defective fuse can be recognised by its melted wire. A new fuse should only be installed after the cause of the trouble has been located and eliminated.

Only fuses of the specified rating should be installed. The rating is given on all fuses.



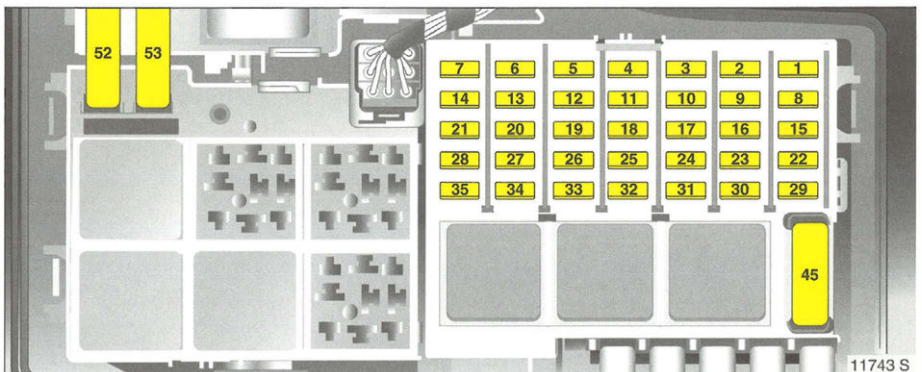
COLOUR	RATING
Light brown	5 A
Dark brown	7.5 A
Red	10 A
Blue	15 A
Yellow	20 A
Green	30 A
Pink (Maxi-fuse)	30 A
Orange	40 A
Red (Maxi-fuse)	50 A
Yellow (Maxi-fuse)	60 A
Black (Maxi-fuse)	80 A

WARNING:

When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar device to replace a fuse, as it could damage electrical components and may cause a fire hazard to your vehicle.

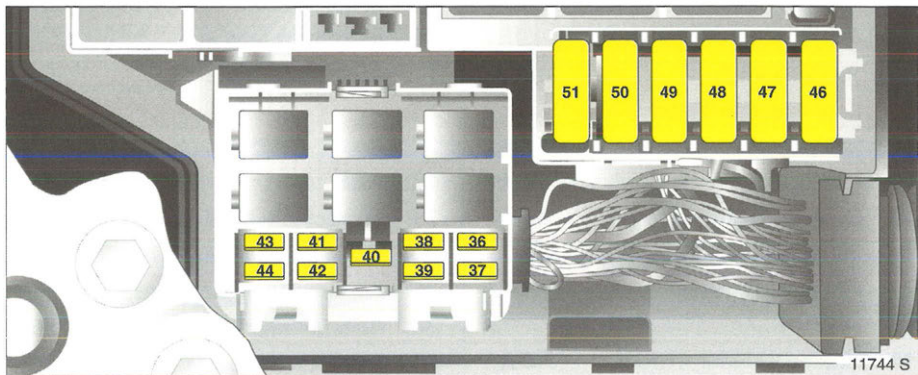
FUSES cont.

1	Central control unit	7.5 A	21	—	
2	Engine control unit	7.5 A	22	Central control unit, immobiliser	5 A
3	Instruments, horn, information display, hazard warning flashers, immobiliser, light switch	7.5 A	23	Windscreen wipers	30 A
4	—		24	Infotainment system, information display, light switch, EPS courtesy lamp, instruments	5 A
5	Electric window (left)	30 A	25	Reversing lamps, accessory socket	20 A
6	—		26	—	
7	—		27	—	
8	Starter switch	10 A	28	ABS	25 A
9	Fuel injection system, fuel pump	20 A	29	Retractable steel roof	20 A
10	Horn	10 A	30	Engine control unit	15 A
11	Central control unit	15 A	31	Air conditioning system	15 A
12	Information display, infotainment system	20A	32	ABS, airbag	5 A
13	—		33	Engine control unit	15 A
14	Heated exterior mirrors	7.5 A	34	—	
15	Windscreen washer	15 A	35	Electric window, infotainment system	5 A
16	Courtesy lamp	7.5 A	45	Ventilation fan	30 A
17	Central control unit	20 A	52	Radiator fan	40 A
18	Heated rear window	20 A	53	—	
19	Electric window (right)	30 A			
20	—				



FUSES cont.

36	Dipped beam (left)	10 A	43	Main beam (left)	10 A
37	Dipped beam (right), headlamp range adjustment	10 A	44	Main beam (right)	10 A
38	Park and tail lamps (left)	5 A	46	Engine control unit	20 A
39	Park and tail lamps (right)	5 A	47	Retractable steel roof	30 A
40	Brake lamp, cruise control	10 A	48	Starter	30 A
41	Fog lamps	15 A	49	EPS	50 A
42	Fog tail lamp	10 A	50	ABS, ESP	40 A
			51	–	



BULB REPLACEMENT

WARNING

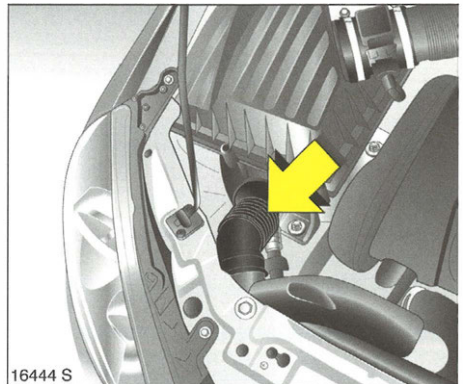
- Always turn off the related switch.
- Do not touch new bulbs or reflectors with bare hands. Greasy fingers cause stains which evaporate, eventually resulting in a dull reflector. Grease spots on halogen bulbs will, within a short time, lead to bulb failure. Inadvertently stained bulbs may be cleaned with methylated spirits.
- It is important to fit only bulbs of the specified wattage.
- Detailed procedures for headlamp aiming are provided in the relevant service manual for your vehicle. However, because headlamp aiming is a safety item, it is recommended that you have it carried out by your Holden Dealer.
- On vehicles fitted with headlamp range adjustment, any change to the adjustment must be carried out with the switch in position 0 (off).

Bulb replacement procedures for the following lamps should be carried out by your Holden Dealer:

- Headlamps - high beam.
- Front parking lamps.
- Side turn signal lamps.
- Centre high mounted stop lamp.
- Front fog lamps.
- Instrument lights.
- Information display lights.

Air hose removal

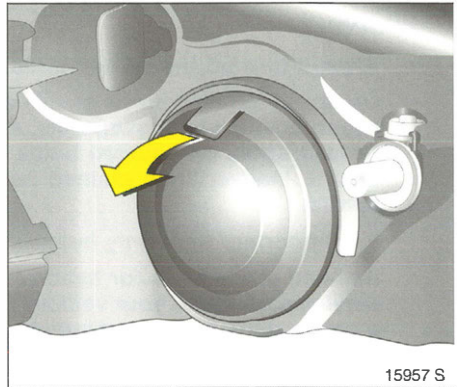
When replacing bulbs in the front right headlamp, detach the air hose from the air filter.



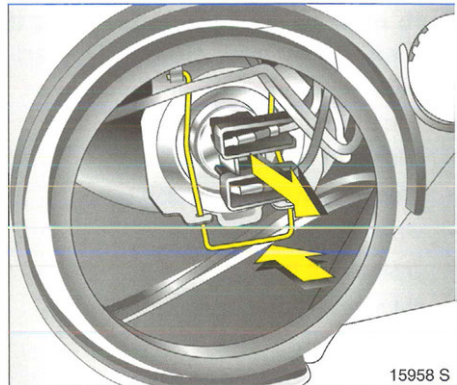
BULB REPLACEMENT cont.

Headlamps—low beam

1. Open the bonnet and engage the support rod.
2. Remove the low beam headlamp cover.

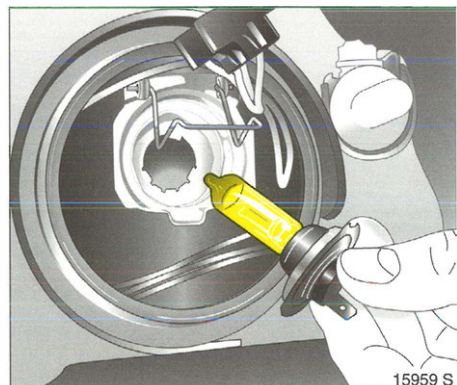


3. Remove the plug connector from the bulb.
4. Disengage the spring-wire clip from the retaining lugs by moving it sideways. The spring-wire clip will now swivel upwards.
5. Remove the bulb from the reflector housing.



6. Fit the new bulb, without touching the glass. Ensure the bulb locating lugs are correctly positioned in the reflector housing.
7. Engage the spring-wire clip and plug connector into bulb.
8. Refit the low beam headlamp cover.

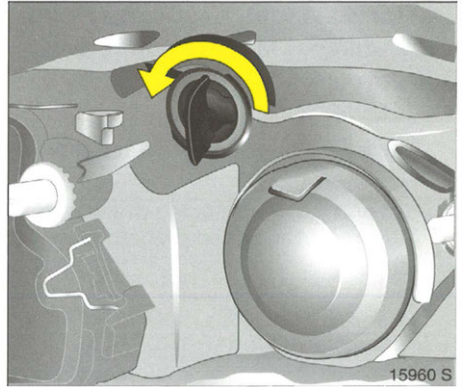
Note: After replacing the bulb on the right-hand side, refit the air hose to the air filter.



BULB REPLACEMENT cont.

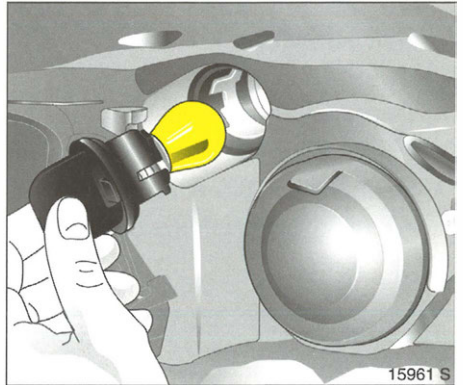
Front turn signal lamps

1. Open the bonnet and engage the support rod.
2. Rotate the bulb holder anticlockwise and disengage it.



3. Press the bulb into the holder slightly, turn it anticlockwise and remove it.
4. Insert the new bulb (do not touch glass) into the holder. Locate the holder in the reflector and turn clockwise to secure.

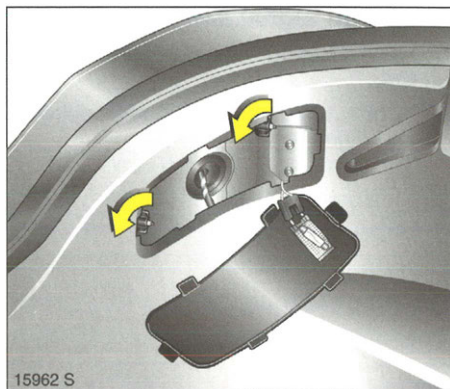
Note: After replacing the bulb on the right-hand side, refit the air hose to the air filter.



BULB REPLACEMENT cont.

Tail lamps, brake lamps, rear turn signal lamps, reverse lamps and rear fog lamp

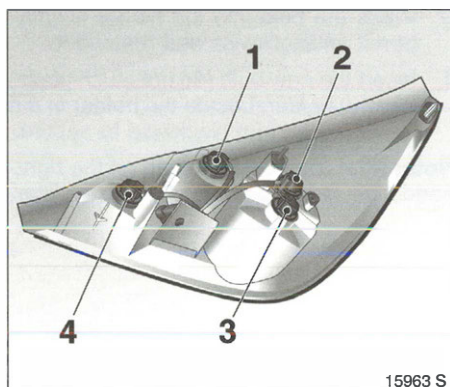
1. Open the boot.
2. Unclip lens housing cover (six retaining lugs).
3. Support the lens housing (from outside the vehicle) and unscrew both retaining nuts.



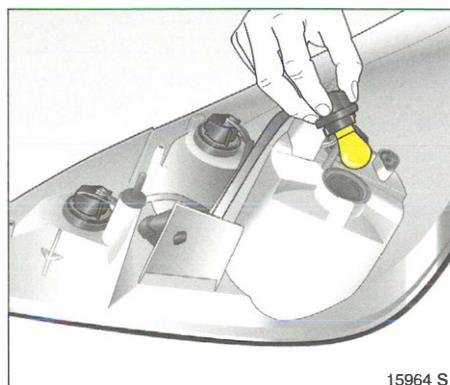
3. Carefully ease the lens housing away from the vehicle.

REAR BULB LOCATION

- 1 = Reverse lamp bulb
- 2 = Rear turn signal bulb
- 3 = Tail lamp / brake lamp bulb
- 4 = Rear fog lamp (driver's side only)

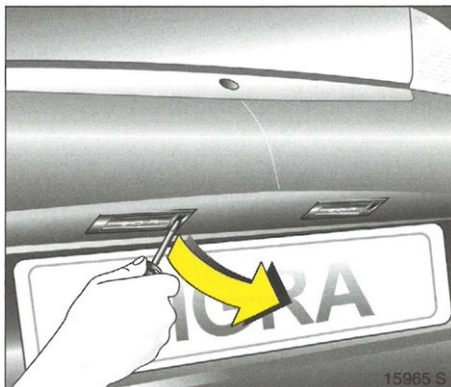


4. Turn required bulb holder anticlockwise to remove from lens housing.
5. Press the bulb into the holder slightly, turn it anticlockwise and remove it.
6. Insert the new bulb (do not touch glass) into the holder. Locate the holder in the reflector and turn clockwise to secure.
7. Install lens housing into vehicle and secure with retaining nuts (by hand only).
8. Refit the lens housing cover.

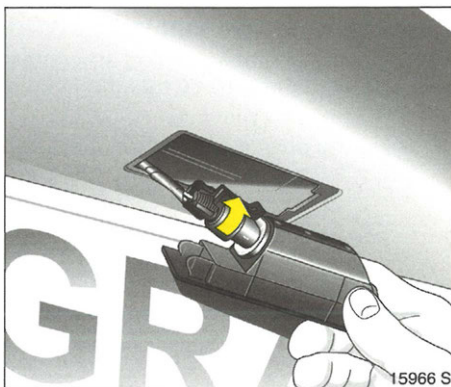


BULB REPLACEMENT cont.**Number plate lamp**

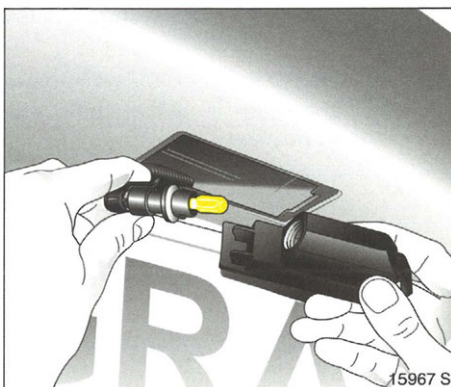
1. Insert a screwdriver vertically into the side of the lens on the right-hand side, press towards the right and disengage the spring.
2. Remove the number plate lamp downwards and clear of the rear bumper.



3. Rotate the bulb holder anticlockwise and remove it from the lens.



4. Remove the bulb from the holder.
5. Insert the new bulb.
6. Insert the holder into the lens and rotate it clockwise to lock it in place.
7. Insert the lens into the rear bumper.

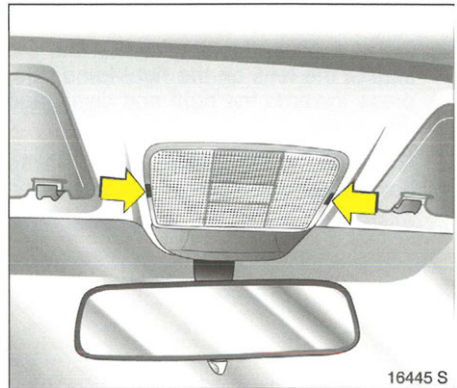


BULB REPLACEMENT cont.

Courtesy lamp

Before removal, close the doors or make sure that the contact switch is kept pressed so that the lamp is not live.

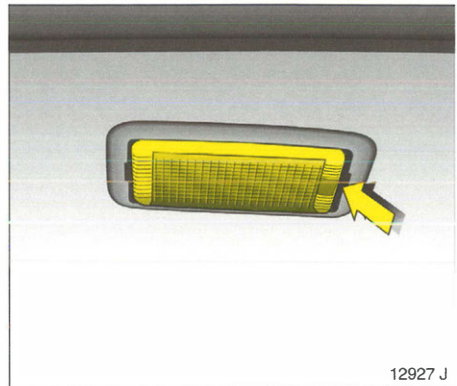
1. Using a screwdriver, lever the lens out of the housing.
2. Remove the bulb from the socket.
3. Insert the new bulb.
4. Mount the lens and engage it in position.



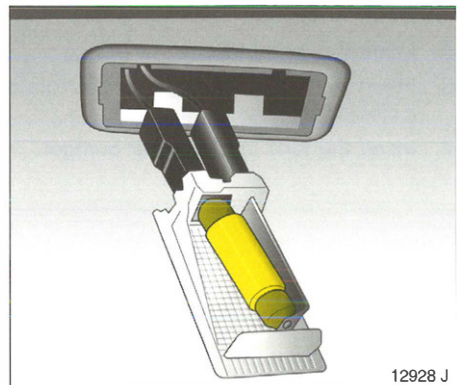
Luggage compartment lamp

Before removal, make sure that the contact switch is kept pressed so that the lamp is not live.

1. Carefully prise the lamp out of the trim using a screwdriver.



2. Press the bulb slightly towards the spring clip and remove.
3. Insert the new bulb (do not touch glass).
4. Insert the lamp in the opening and locate in position.



CHAPTER 7

Weekly checks

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7-4	Engine coolant level
7-5	Brake fluid level
7-6	Washer fluid level
7-6	Battery
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MISCELLANEOUS CHECKS

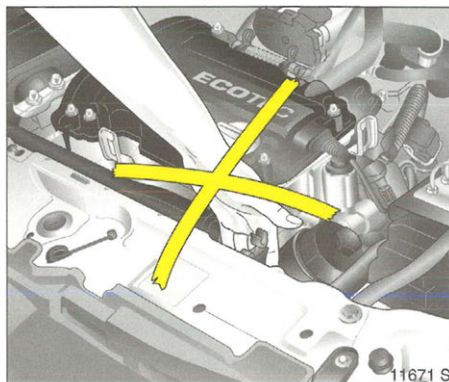
As well as taking your vehicle to be serviced (refer to Chapter 12, Servicing) there are a few simple weekly checks that the owner / operator is recommended to make. These are outlined on the following pages.

The following checks should also be regularly performed to ensure proper safety and dependability of your vehicle.

WARNING:

If the engine temperature is high, the cooling fan may remain on for several minutes after turning off the ignition.

The engine cooling fan can start working unexpectedly, even when the engine is not running and the ignition is off.



WARNING:

Electronic ignition systems have a high ignition power. Do not touch the ignition system; this could be highly dangerous.

CHECK THE FOLLOWING:

- All exterior lamps are working and that their appropriate interior indicators light up when in operation.
- Mirrors and glass are clean and not scratched.
- Correct aim of water on the windscreen and condition of the wipers.
- Demister operates.
- Condition and operation of all seat belts (give a sharp tug to ensure that the 'lock' will function if necessary) and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

ENGINE OIL LEVEL

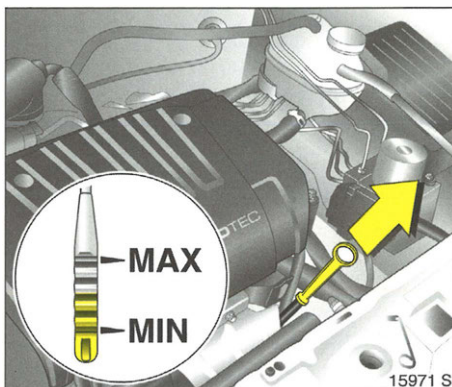
It is normal for every engine to consume some oil. For this reason the engine oil level should be checked every 500 km or before starting a long trip.

Check the oil level with the vehicle parked on level ground and with the engine at normal operating temperature, but switched off. Wait at least 5 minutes before checking the level to allow the oil to settle. If the engine is cold, the oil may take a lot longer to drain back.

To check the level, remove the oil dipstick, wipe it clean and re-insert it as far as it will go. Pause for a second then withdraw the dipstick and look at the oil level on it.

The oil level should be maintained between the low and full levels (**MIN** and **MAX**).

Refer to Chapter 8, Specifications.



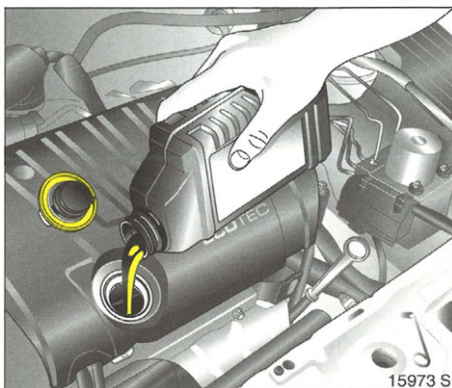
Add engine oil

To add oil, undo the cap on top of the engine. Add enough oil to bring the oil level to the full level on the dipstick. As a guide, the distance between the marks represents 1 litre of oil.

Wait a few minutes for the oil to settle then check the oil level again. When the level is correct, install the oil cap and the dipstick and clean up any spilt oil.

Note: Do not add oil above the maximum mark on the dipstick.

Oil consumption should not be judged until the vehicle has run several thousand kilometres. It may take this long for oil consumption to stabilise.



Oils not recommended

Non-detergent and other low quality oils are specifically not recommended. The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended.

Their use will increase costs, may be detrimental to the operation of your vehicle and may void your New Vehicle Warranty, to the extent that Holden considers the non-recommended fluid to have affected the specifications or quality of your Holden vehicle.

ENGINE COOLANT LEVEL

The engine coolant reservoir is located in the front, passenger side of the engine bay (yellow cap).

The level of coolant should be checked at least weekly. This is simply a matter of looking at the level in the plastic container when the engine is cold.

The level should be slightly above the **KALT / COLD** ↕ mark when the engine is cold. The level rises when the engine is running and drops down again when the engine cools down. If the level falls below the **KALT / COLD** ↕ mark, the coolant should be topped up to a little over the mark.



The coolant for your vehicle is specified in Chapter 8, Specifications.

If topping up, first mix a solution of 50% coolant and 50% water. Failure to use the coolant meeting the Holden specification or maintaining the specified concentration may result in voiding your New Vehicle Warranty.

In an emergency, plain water may be used temporarily in the cooling system until the correct coolant is obtained as soon as possible from the nearest Holden Dealer.

Remember to install the coolant cap and tighten as far as it will go.

Specified coolant contains special corrosion inhibitors for the best corrosion protection of your engine and cooling system. This coolant also gives your cooling system greater hot weather protection by increasing the boiling point and in addition provides protection in cold weather conditions down to -30°C , provided the correct concentration is maintained.

If you regularly have to top up the cooling system, you should consult your Holden Dealer.

WARNING:

Corrosion inhibitors and antifreeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention. Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

Refer to Chapter 6, Emergencies, if the engine overheats.

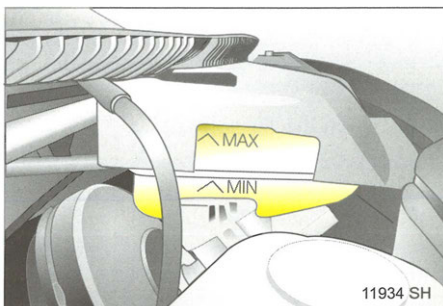
BRAKE FLUID LEVEL

Brake fluid level

The brake fluid in the master cylinder should be checked weekly. The master cylinder is located in the engine bay, on the driver's side of the vehicle.

The fluid level, visible in the see-through master cylinder when standing at the driver's side of the vehicle, should be maintained between the **MIN** and **MAX** level markings shown on the side of the master cylinder.

If the fluid is between these levels do not remove the master cylinder cap. Remember that brake fluid exposed to the atmosphere will quickly absorb moisture, which in turn lowers the boiling point of the fluid as well as increasing risk of corrosion of brake components.



WARNING:

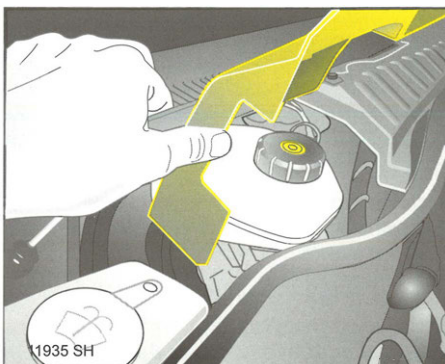
Brake fluid is poisonous and corrosive. It will damage the paint finish of your vehicle if spilled. If spillage occurs on vehicle body, remove by pouring water over affected area as soon as possible.

If fluid needs to be added, firstly, raise the plastic master cylinder cover (the engine compartment weather seal will have to be pulled towards the front of the vehicle to allow the cover to be raised). Secondly, clean around the filler cap. Finally, top up the master cylinder reservoir with heavy duty brake fluid which meets Holden specifications. Refer to Chapter 8, Specifications.

Remember to secure the cap and clean up any spilt fluid.

Note: Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

If the master cylinder requires constant topping up, it could indicate that a malfunction exists and you should immediately consult your Holden Dealer.



WASHER FLUID LEVEL AND BATTERY

Washer fluid level

As the washer fluid is constantly used the level should be checked weekly and topped up as required.

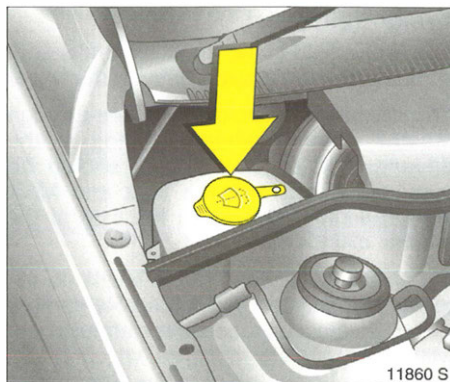
The washer container is located under the bonnet on the driver's side, beside the brake master cylinder.

To fill, open the flip top cap.

For a crystal clear windscreen, add a small amount of windscreen cleaner. Refer to Chapter 11, Cleaning.

Do not use ordinary soap or detergent. These not only froth up but will also damage the wiper rubbers and may also block the washer jets.

Remember to secure the cap after filling.



Battery

Your vehicle is fitted with a maintenance free battery, which means that the fluid level does not need to be checked.

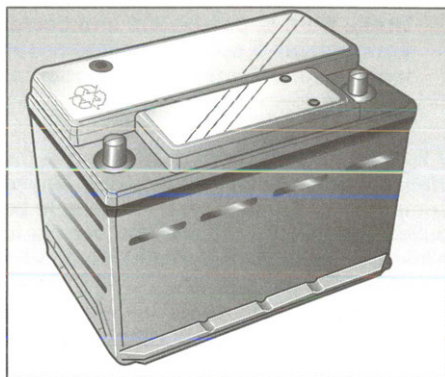
When replacing the battery, you should always replace it with another maintenance free battery of the correct specifications. Refer to Chapter 8, Specifications.

Note: You should never disconnect the battery when the engine is running.

If removing the battery for recharging, first disconnect the negative cable, then the positive cable.

Never charge the battery while still connected to the vehicle.

When reconnecting, first connect the positive cable to the positive post of the battery, then the negative cable to the negative post of the battery.



TYRES

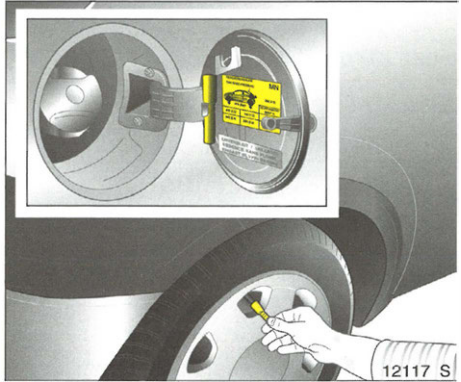
Tyre air pressure

Checking the air pressure of your tyres (including the spare) ensures your safety, as well as reducing fuel consumption and increasing the life of your tyres.

To ensure your vehicle maintains optimum handling, check the pressures weekly. For constant long distance or rough road travelling, daily checking is recommended.

For the correct pressure for your tyres, refer to the tyre placard on the inside of the fuel filler flap.

Always use a tyre pressure gauge to check the tyres. Simply looking at the tyres is not sufficient.



Tyre inflation pressure increases when the tyres have been driven for more than 2 km. The pressure should be checked when the tyres are cold (stationary for more than 3 hours). If they must be checked immediately after driving, increase the pressure shown on the placard by 10%.

If the vehicle is heavily loaded, the recommended pressure for the tyres is increased. Refer to the tyre placard on your vehicle. As the tyres are operating under greater load, the weekly air pressure becomes even more important.

The inflation pressure should be increased according to the load on the vehicle. Therefore, if the vehicle is loaded to half the maximum payload, then the tyres should be inflated half way between the minimum and maximum pressures shown on the tyre placard. Refer to Chapter 10.

Vehicles driven for prolonged periods over rough roads, particularly in outback conditions, should use the cold tyre inflation pressure for maximum load condition.

If the pressure is too low, this can result in considerable tyre warm-up and internal damage leading to tread separation and even to tyre blowout at high speeds. If the pressure is too high, this can result in reduced traction, increased risk of tyre blowout and poor tyre wear.

Remember to install any valve dust caps or extensions, if so equipped. This stops dirt and moisture from fouling the valves.

When checking the tyre air pressure, take a look at the condition of the tyre tread and inspect for stones or abnormal wear.

Alignment and balance

Improper wheel alignment can cause the tyres to wear faster and unevenly. It can also cause the vehicle to 'pull' to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear such as cupping and flat spots.

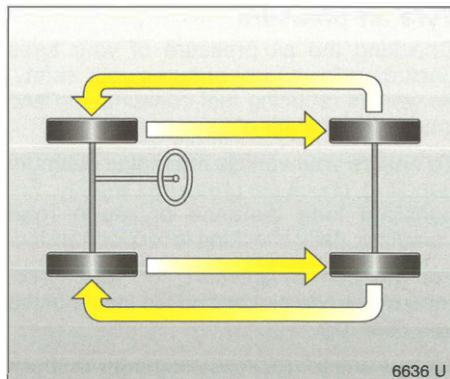
If you have any reason to suspect that either of the above problems exist then have a wheel alignment and balance check done by your Holden Dealer.

TYRES cont.

Tyre inspection and rotation

Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment and balance and tyre pressures.

Tyre condition will be checked for you when you take your vehicle to be serviced by your Holden Dealer, who will be able to diagnose any unusual signs of wear. If the tyres are rotated it is recommended that the balance be checked at the same time.



Heavy treads

Caution must be exercised when using tyres with heavy treads, including tyres designed to gain traction in bad weather conditions. At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer.

Any doubts concerning the fitness of the tyres on your vehicle for the purpose you require should be referred to your Holden Dealer.

Wheel replacement

When replacing wheels for any reason, ensure that the new wheels are equivalent in diameter, rim width, offset and mounting configuration to those originally installed in your vehicle. Refer to Chapters 4 and 6.

Note: Replacing your factory fitted wheels and tyres with non specified wheels and tyres may affect your warranty as well as your motor vehicle insurance policy.

Tyre traction

WARNING:

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practises and speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as hydroplaning, may cause partial or complete loss of traction, which adversely affects control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed.

1. Reduce speeds during rainstorms, when roads are slushy or if the road has standing water or puddles.
2. Replace tyres when the tread has worn down to the wear indicators.
3. Check that tyres are properly inflated.

TYRES cont.

Tyre replacement and repair

WARNING:

Do not mix different tyre construction types, such as radial and cross ply, on your vehicle except in emergencies, because your vehicle's handling could be affected and may result in loss of control.

When replacing tyres you should use the same size, load rating and construction type as the original tyres on your vehicle. Refer to the tyre placard on your vehicle for tyre size and load rating. Using a different size or type of tyre may affect such things as ride, handling, speedometer / odometer calibration, ground clearance and tyre clearance to the body or the chassis.

Tyres with a higher speed rating and / or maximum load rating in excess of that listed are also acceptable as replacements provided they are fitted to a suitable rim size.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:

- The tyres are worn to the point where the tread wear indicators, as shown, appear or the cord or fabric is showing.
- The tread or side wall is cut, split, or cracked deep enough to expose the cord or fabric.
- The tyre has a bump or bulge in it, indicating some kind of internal damage.
- The tyre has a puncture, cut or other damage which cannot be repaired because of the size or location of the damage.



If in doubt about the extent of damage to the tyre, have it removed from the wheel and examined by a tyre specialist.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it and the wheel beyond repair.

When an object which has punctured the tyre is removed, repairs are to be made in accordance with the tyre manufacturer's recommendations.

WARNING:

Tyres which have been retreaded or improperly repaired cannot be operated safely at high speeds. Therefore, their use is not recommended.

CHAPTER 8

Specifications

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8-2	Specifications
	Dimensions
8-4	Identification labels

SPECIFICATIONS

Vehicle	Tigra
Engine Type	Z18XE, 16 Valve DOHC, 1796 cc
Bore	80.5 mm
Stroke	88.2 mm
Compression ratio	10.5 : 1
Engine oil specification	ACEA service classification A3 / B3. Viscosity grade 15W-40 or 15W-50
Refill oil capacity	4.25 litres (including filter)
Engine power	92 kW @ 6000 rpm (95 RON fuel)
Engine torque	165 Nm @ 4600 rpm (95 RON fuel)
Coolant specifications	50% water and 50% Extended life anti-freeze coolant conforming to GM6277M specification
Coolant capacity	5.4 litres
Transmission fluid	Gear oil meeting Holden specification No. HN2354 (Castrol SMX-0 or equivalent)
Transmission refill capacity	1.6 litres
Brake fluid	Heavy duty brake fluid meeting SAE specification J1703, DOT 4
Clutch fluid	Heavy duty brake fluid meeting SAE specification J1703, DOT 4
Fuel tank capacity	45 Litres
Battery	Maintenance free – 12 volt, 66 amp / hour

SPECIFICATIONS cont.**Dimensions**

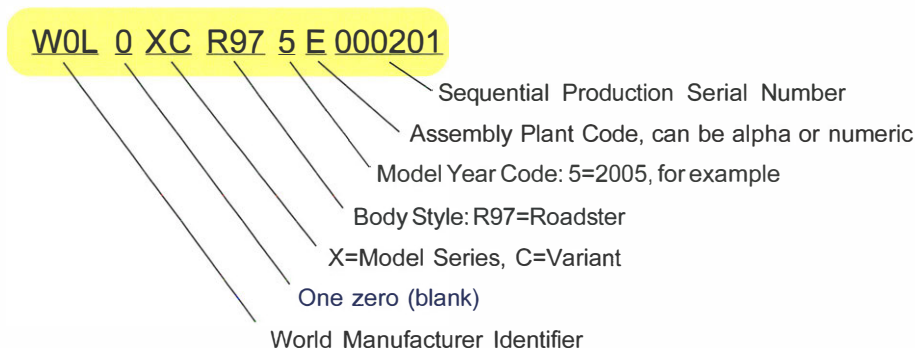
Overall length		3921 mm
Overall width including mirrors		1905 mm
Overall height at kerb weight		1364 mm
Track	Front	1433
	Rear	1424
Wheelbase		2491

IDENTIFICATION LABELS

Vehicle identification number (ISOVIN)

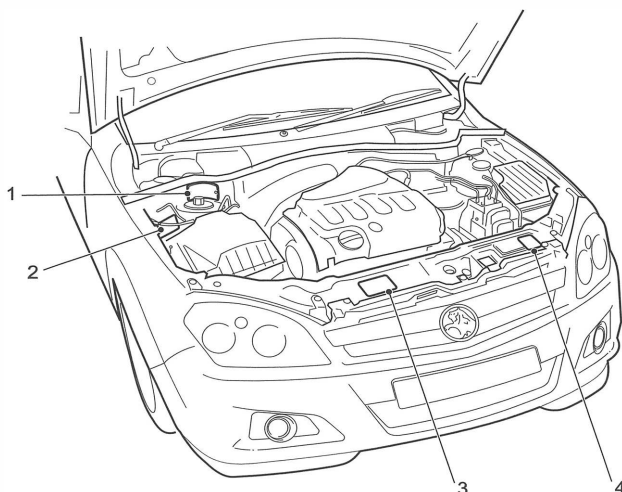
A unique ISOVIN Number (example below) has been allocated to your vehicle. This number can be used for model identification when purchasing parts.

Refer to the following illustrations for the location of this label.



Engine number

Individual identification numbers are stamped onto the engine. This number is located on the front of the engine block adjacent to the oil filter.

IDENTIFICATION LABELS cont.**1. Safety compliance plate**

The compliance plate shows the vehicle approval number, category code, make, model and seating capacity. It also displays the ISOVIN number, which should be used when selecting spare parts. This plate is located on the engine bay partition, driver's side.

2. Vehicle identification number (ISOVIN) plate

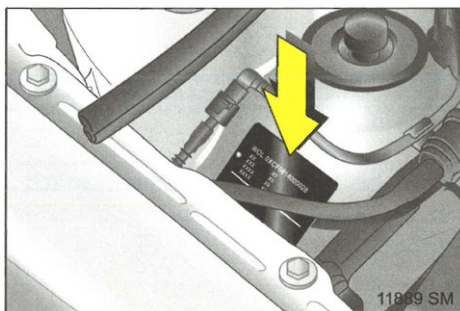
The ISOVIN. plate is located on the driver's side suspension tower, (as illustrated, right) in the engine compartment.

3. A/C system label

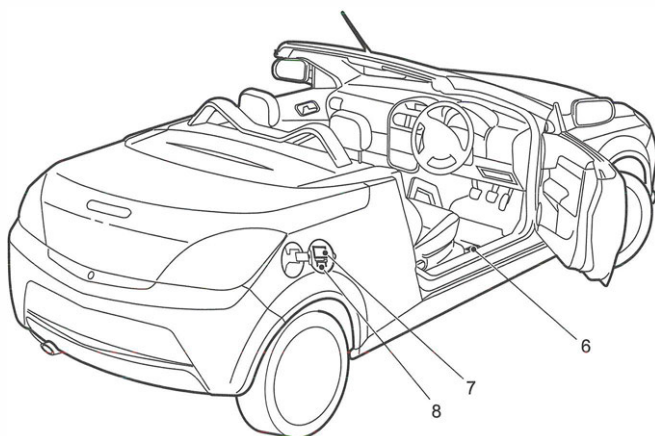
This label shows air conditioner system specifications.

4. Warning label

This label serves as a reminder of some hazards that can exist in the engine area.

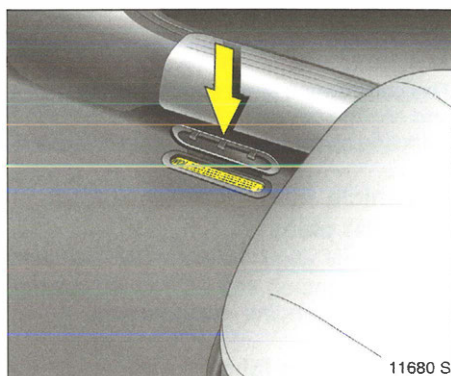


IDENTIFICATION LABELS cont.



6. Vehicle identification stamp

This stamping shows the same number as displayed on the ISOVIN plate. It is stamped onto the body floor panel (as illustrated) and is located under a hinged cover, at the right side of the driver's foot well.



7. Tyre placard

The tyre placard is located on the inside of the fuel filler flap.

8. Space saver spare tyre placard

The space saver spare tyre placard is located on the inside of the fuel filler flap.

CHAPTER 9

Customer Assistance

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9-3	For New Zealand Holden owners
9-4	Roadside assistance
9-6	New vehicle warranty certificate
9-8	Parts and accessories warranty
9-9	Warranty questions and answers

CUSTOMER ASSISTANCE

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation, servicing or the validity of original equipment supplied with your vehicle will be handled by your Holden Dealer's Sales and Service Department.

We realise however that, with the best intentions, misunderstandings do occur sometimes.



Therefore, we suggest you discuss any concern with one of the Holden Dealer's management people. If you have not received satisfaction from the Sales Manager or Service Manager – go to the General Manager or to the Dealer Principal.

By now you should have satisfaction. If not, the Holden Customer Assistance office is at your disposal.



The Holden Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is:

9646 5466

Outside the Melbourne Metropolitan area, the number is:

1800 033 349

If your concern relates to parts / accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden Service Parts Operations on (03) 9797 7341.

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:



The Manager
GM Holden Ltd Customer Assistance Centre
GPO Box 1714
Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:



- Your name and address.
- Telephone numbers, both private and business.
- Servicing Dealer's name and address.
- Vehicle model.
- Vehicle identification number (ISOVIN), refer to the inside front cover of this handbook.
- Date of purchase.
- Current odometer reading.

Most of this information will be found on the Vehicle Identification Certificate, located inside this handbook.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

FOR NEW ZEALAND HOLDEN OWNERS

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand. Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glovebox wallet.

New Zealand Assistance can be reached on:



0800 HOLDEN (0800 465 336)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Assistance.

If you prefer to write the address is:



The Manager
GM Holden Ltd Customer Assistance Centre
GPO Box 1714
Melbourne,
Australia, 3001.

ROADSIDE ASSISTANCE

3 YEAR 24 HOUR ROADSIDE ASSISTANCE

Our commitment to your satisfaction

Holden's Roadside Assistance is part of the unequalled commitment by Holden to provide total motoring satisfaction.

From the moment delivery is made, our aim is to provide the finest possible ownership experience, from design through manufacturing to servicing and now beyond to the open road, Australia wide.

We hope the need never arises, but if it does, we'll be there to help through Holden Roadside Assistance.

How does Holden Roadside Assistance work?

Holden Roadside Assistance is provided by Holden Ltd. and delivered by the collective resources of the Australian Automobile Clubs and Associations including the constituents of Assist Australia (AA). To request a copy of the terms and conditions, contact Customer Assistance Service Line on 1800 033 349.

Which vehicles are covered by the service?

As of 1st November 1993 all new Holden passenger and light commercial vehicles are covered for 36 months from the date of first registration.

Holden Roadside Assistance is extended to private and business vehicles, taxis, rental companies, all government and fleet operators.

What will Holden Roadside Assistance do for me?

Holden Roadside Assistance is designed to get you mobile on any road that is trafficable to normal two wheel drive vehicles. In the event of the unexpected happening, from your keys being locked in your vehicle to mechanical and accident advice, help is readily available by simply calling the toll free number 1800 817 100.

All Holden luxury vehicles receive the added benefits of Holden Roadside **Ultra** Assist which includes accommodation, alternative transport, rental vehicle, assistance in case of accident, theft and medical emergency and Australia wide vehicle recovery.

Can I upgrade to Roadside Ultra assist?

Yes, owners can upgrade to Holden Roadside **Ultra** Assistance for a fee by dialling 1800 645 668. To request a copy of the **Ultra** terms and conditions, contact Customer Assistance Service Line on 1800 033 349.

ROADSIDE ASSISTANCE cont.

When do the benefits begin?

Cover begins from the date of first registration. An interim card entitles you to immediately receive all the benefits of Holden Roadside Assistance.

Where can I get Roadside Assistance?

Holden Roadside Assistance is available to you at home, or at the roadside, anywhere in Australia, should you need it. In remote or sparsely populated areas you may experience delays in obtaining Roadside Assistance due to your location, the availability of the service provider and accessibility.

Is there a membership or joining fee?

No, Holden Roadside Assistance is complimentary with every new Holden passenger vehicle and light commercial vehicle for 36 months from the date of first registration.

What will Holden Roadside Assistance cost me?

Materials, fuel and spare parts must be paid for at the time of service. The service personnel attending will issue a receipt for these expenses. Reimbursement of expenses covered by Holden's warranty can be claimed by contacting your local Holden Dealer.

What happens if I sell my vehicle?

Holden Roadside Assistance stays with the vehicle, so if you sell your vehicle during the 36 month period, it is still eligible for the balance of the Holden Roadside Assistance. The new owner simply registers for the service by using the change of ownership form supplied in the Roadside Assistance booklet.

How do I call for assistance?

Simply call Holden Roadside Assistance toll free on 1800 817 100 from anywhere in Australia. For further information regarding the service and full terms and conditions, refer to the Roadside Assistance Kit in the glovebox or call the toll free Customer Assistance Service Line on 1800 033 349.

NEW VEHICLE WARRANTY CERTIFICATE



New Vehicle Warranty application

This Warranty is given by GM Holden Ltd., ABN 84 006 893 232, ('Holden'). The Warranty applies to the vehicle identified on the inside front cover of this handbook. It is provided to the original and subsequent owners/operators driving the vehicle within Australia during the Warranty Period.

This Warranty is given in addition to all rights conferred by law on that person.



Australian vehicles

This Warranty is only applicable to vehicles purchased and operated in Australia.

Owners of vehicles purchased in Australia but operated overseas should consult the local Dealer in the country of operation about any Warranty applicable to their vehicle. This Warranty does not apply for Holden vehicles exported overseas. Similarly, this Warranty is not provided for vehicles purchased overseas and imported into Australia.



Repairs covered

Subject to the exclusions shown on the following page, this Warranty covers the correction, during the Warranty Period, of any vehicle defect related to materials or workmanship and advised to a Holden Dealer or Authorised Service Outlet, by repair or at Holden's option by replacement.



Warranty Period

The coverage commences from the date of delivery (or in the case of a demonstrator vehicle the date when the vehicle was first placed into service by the Dealer). The coverage expires at the end of the period of 3 years after the commencement date or after the vehicle has travelled 100 000 kilometres, whichever occurs first.



No charge

Warranty work undertaken (including parts and labour) will be carried out at no cost to the vehicle owner. However, this work should not be confused with servicing specified in the Maintenance schedule in Chapter 12 of this handbook for which a charge is payable.

NEW VEHICLE WARRANTY CERTIFICATE cont.

Warranty exclusions



- **Damage**

Your Warranty does not extend to the following damage:

Damage caused by an accident, fire, theft or moving objects striking the vehicle.

Damage caused by industrial fallout, chemicals or sealants.
Damage caused by atmospheric fallout or flood, hail, salt, etc.



- **Maintenance items**

Services such as brake adjustment, replacement of filters, wiper rubbers etc., which are required as part of normal vehicle maintenance (refer to Chapter 12 of this handbook).



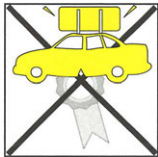
- **Tyres**

The tyres (and tubes where applicable) fitted to your vehicle are not covered by this Warranty. However, they may be covered by the tyre manufacturer.



- **Batteries**

Batteries are warranted for 12 months.



- **Misuse**

This Warranty does not cover damage caused by:

- misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or neglect
- operation of the vehicle after the defect is known
- failure to carry out proper maintenance services
- use of incorrect types and grades of fuel, oil or lubricants
- alteration of the vehicle by anyone not authorised by Holden
- fitting of parts or accessories not recommended by Holden
- any work carried out on the vehicle by anyone except an authorised Holden Dealer or authorised Service Outlet.

PARTS AND ACCESSORIES WARRANTY

Holden warrants Holden approved Parts and Accessories ('Parts' and 'Accessories') for the periods and on the conditions set out below. The Warranty covers the correction, during the relevant Warranty Period, of defects in any such Parts and Accessories, by repair or at Holden's option by replacement.

- **Accessories installed to the new vehicle**

Holden approved Accessories installed by a Holden Dealer or authorised Service Outlet to the new vehicle at the time of purchase are covered together with the New Vehicle warranty for the period of 3 years or 100 000 km, whichever occurs first.

- **Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet**

Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet are covered for 2 years or 50 000 km (whichever occurs first). If the vehicle is still within the New Vehicle Warranty the Parts and Accessories are covered by the longer of:

2 years / 50 000 km (whichever occurs first)

or

the end of the New Vehicle Warranty.

As an example, an Accessory installed in a 7 month old vehicle would be covered until the end of the New Vehicle Warranty; an Accessory installed in a 2½ year old vehicle would be covered until the end of 4½ years or a further 50 000 km from when the Accessory was installed.

- **Purchased at retail or trade**

Parts and Accessories purchased at trade or retail and installed by other than a Holden Dealer or authorised Service Outlet are warranted for 1 year from the date of purchase. Please keep a receipt to support warranty claims.

The Warranty does not cover the labour costs of removal / reinstallation of Parts and Accessories when installed or rectified by other than a Holden Dealer or authorised Service Outlet.

- **Parts and accessories warranty exclusions**

The tyres (and tubes where applicable) are not covered by this warranty. However, they may be covered by the tyre manufacturer.

Batteries are warranted for 12 months from date of purchase.

Parts which are required as part of normal vehicle maintenance are warranted against manufacturing defect at the time of installation. Consult your Holden Dealer to confirm the period of this warranty.

WARRANTY QUESTIONS AND ANSWERS

This section is designed to assist you in understanding the Holden Warranty provided with your new vehicle.

The following are some of the most frequently asked questions for which detailed answers are provided.

Q 1. How do I go about obtaining Holden Warranty service?

It is the responsibility of the Selling Dealer to provide Holden Warranty service, therefore, you should take your vehicle to the Selling Dealer whenever Holden Warranty service is needed. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this handbook will be required by the Dealer.

Q 2. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the Holden New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or Holden Customer Assistance Service as soon as possible, and arrange for that Dealer to carry out the required Holden Warranty Service.

Q 3. What should I do if, in an emergency, Holden Warranty service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the Holden New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is not practical for you to go to an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified mechanic or repairer. A claim for the reasonable cost may be made through the authorised Holden Dealer who would normally provide you with Holden Warranty service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and / or completion of any required Holden Warranty service, as soon as possible.

Note: During normal business hours you should seek authorisation from your nearest Authorised Holden Dealer or Holden Customer Assistance Service, prior to repairs being commenced.

Q 4. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden Warranty?

No, these items are not covered. Holden warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle, will be recognised under the Holden New Vehicle Warranty.

You may have rights under the law to claim compensation outside of the Holden New Vehicle Warranty, but any claim based on those rights should be separately pursued.

WARRANTY QUESTIONS AND ANSWERS cont.

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden New Vehicle Warranty. The Maintenance Schedules in Chapter 12 of this handbook specifies the *minimum* maintenance required for your vehicle operating under normal conditions.

The Maintenance items (except where they are required as a result of defects in materials or workmanship) for which you will have to pay include:

- Engine tune-up, including spark plugs replacement.
- Replacement of all filters, engine and other belts, hoses, wiper blades and clutch linings.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, differential, power steering etc., after 3000 km.
- Carbon and sludge removal.
- Maintenance servicing of emission control system devices.
- Adding to (or replacing) lubricants.
- Adding to (or replacing) air conditioning refrigerant, after 3000 km.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing – after 3000 km.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads – after 3000 km.
- Brake lining wear or damaged brake components due to lining wear.
- Clutch lining wear or damaged clutch components due to lining wear.
- Brake disc pad or disc wear.
- Battery recharging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment – after 3000 km.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments – after 3000 km.
- Body rattle, squeaks and general tightening of bolts, fasteners and fittings – after 3000 km.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.
- Normal wear and tear to trim components.

Q 6. Are my tyres covered by the Holden New Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

WARRANTY QUESTIONS AND ANSWERS cont.

Q 7. Will I have to pay for any costs or expenses in connection with the provision of Holden Warranty service?

All parts and labour used in carrying out Holden Warranty service at the premises of the servicing Holden Dealer are free of charge. Whenever Holden Warranty service is to be carried out by the servicing Holden Dealer it is your responsibility to deliver your vehicle to the servicing Holden Dealer's premises.

If, as a result of a defect which is covered by the Holden New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden Warranty service, Holden will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and / or Holden Customer Assistance Service (refer to page 2 in this chapter) to obtain guidance.

Q 8. Would my vehicle's engine benefit from fuel additives, oil additives or coolant additives not marketed by Holden?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives is not recommended; their use will not only increase operating costs, but may also be detrimental to the operation of your vehicle and may affect the validity of your New Vehicle Warranty.

Only the fluids and lubricants referred to in this handbook should be used.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden product or in connection with the supply of any Holden product, which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by Holden in its published sales literature, and Holden does not accept any responsibility for such unauthorised action.

CHAPTER 10

Tow and load

Page

- 10-2 Loading the vehicle
- 10-3 Roof racks
- 10-3 Towing
 - Gas cylinders

LOADING THE VEHICLE

Overloading is a safety hazard and could also shorten the life of your vehicle or its parts.

Carrying capacity

The recommended carrying capacity including occupants and luggage is:

- 257 kg.

If you load your vehicle other than to the above recommendations or have accessories fitted, then you should ensure that the maximum rear axle load and the gross vehicle mass are not exceeded.

Kerb weight

The kerb weights shown below are for the weight of an unloaded vehicle with a full tank of fuel.

Note: The vehicle weights listed are estimates based on preproduction vehicles and although correct at the time of printing, are subject to change. When the actual weight of a particular vehicle is required, have the vehicle weighed on a suitable weighbridge.

- 1248 kg = kerb weight.

Gross Vehicle Mass (weight)

The Gross Vehicle Mass (GVM) is the maximum that a vehicle is allowed to weigh when fully loaded. This must include any luggage, passengers, roof rack load and a full tank of fuel. The maximum, allowable weight for your vehicle is:

- 1505 kg = GVM.

Maximum rear axle load

The maximum allowable rear axle load for your vehicle is:

- 680 kg

Heavy objects

Place heavy objects in the load compartment as far forward as possible. When stacking objects, place heavier objects at the bottom.

Note: Unsecured objects in the luggage / load compartment can be thrown forward with great force during heavy braking or in an accident.

ROOF RACKS AND TOWING

Roof racks

WARNING:

The vehicle is not designed to carry roof loads, therefore roof racks should not be used.

Towing

WARNING:

This vehicle is not designed or intended to be used for towing. Towing may affect handling, durability and economy.

WARNING:

Gas cylinders can leak, creating a risk of fire or explosion. As a precaution, ensure adequate ventilation when carrying gas cylinders. They must be restrained from rolling around, and where possible, placed in the load area of the vehicle.

It is recommended that if gas cylinders are frequently transported that a purpose built carrying compartment be used. Transportation of gas cylinders is regulated by legislation in some states.

CHAPTER 11

Cleaning

Page

INTERIOR CLEANING

- 11-2 Upholstery
- 11-2 Vinyl (PVC) fabrics
- 11-3 Cloth fabrics
- 11-3 Carpet
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EXTERIOR CLEANING

- 11-4 Paint inspection
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INTERIOR CLEANING

WARNING:

Many cleaners are toxic, flammable or can damage the interior of your vehicle. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers. Also avoid cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, gasoline or naphtha for any cleaning purpose.

Be sure the vehicle is well ventilated while using any cleaners and always follow the cleaner manufacturer's recommendations.

Care and cleaning of upholstery

Dust and dirt accumulates on upholstery and should be removed with a vacuum cleaner every few weeks; more often with constant driving. Before attempting to remove spots and stains, it is necessary to determine:

- The type of fabric.
- The nature and age of the stain.
- The effect of the stain removal agent upon the colour, structure and general appearance of the upholstery.

Remove stains as soon as possible. If they are allowed to remain on the fabric for any length of time, they very often become oxidised or set and removal becomes difficult, if not impossible.

Cleaning Vinyl (PVC) coated fabrics

PVC-coated fabrics are used for seating and auxiliary trimming. Fabric grades vary according to their function. PVC fabrics are generally made by coating fabric with synthetic resins. Taking care of PVC fabric is relatively simple, but important.

Wipe over the surface with a dry cloth during the regular cleaning of the vehicle.

Should dirt accumulate and become embedded in the material pattern, do the following:

1. Using lukewarm water and soap or Holden Velour Fabric and Vinyl Cleaner, work up thick suds on a piece of cheesecloth and apply to the surface. Use a soft bristle brush to remove stubborn stains or dirt embedded in the grain of the material.
2. Repeat using only a damp cloth (no soap).
3. Wipe dry with a soft cloth. The above cleaning instructions also apply to the rubber floor mats.

INTERIOR CLEANING cont.

Cleaning cloth trim

To clean seats upholstered with cloth, observe the following instructions:

- Remove loose dirt and dust with a vacuum cleaner or soft brush.
- Do not use a whisk broom or a coarse hair brush.
- If normal soiling takes place, sponge the fabric lightly with warm water containing a detergent and a small amount of ammonia. Next, rub the fabric lightly and, if necessary, sponge again to remove stubborn stains. Soak up excess fluid with a dry cloth. Clean the fabric sparingly using Holden Velour Fabric and Vinyl Cleaner.

Vehicles with airbags

Use only a dry cloth or mild cleaner to clean the steering wheel and instrument panel. Do not use any aggressive cleaning agents.

Cleaning carpet

Thoroughly brush or vacuum the carpet. In many instances the carpet requires no further cleaning. If the carpet is extremely soiled, thoroughly vacuum it to remove loose dirt then, using Holden Velour Fabric and Vinyl Cleaner, clean approximately one square foot at a time. After each area is cleaned, remove as much of the cleaner as possible with a vacuum cleaner.

Cleaning seat belts

Clean seat belts with a mild non-abrasive soap and lukewarm water. After washing, thoroughly sponge the soap out of the belts.

WARNING:

Do not bleach or dye seat belts as this can severely weaken them.

Cleaning interior glass

Clean the interior glass area of the vehicle with Holden Glass Cleaner and a clean soft cloth. Take care not to damage the demister when cleaning inside the rear window.

Never use abrasive cleaners on any vehicle glass, as they may cause scratches.

CARING FOR PAINT

To help preserve your vehicle's new finish, give special attention to treating those conditions that can damage the paint. Conditions include:

Road bloom: Oils, dirt, exhaust and other pollutants may combine to affect the paint finish if they are allowed to build up over a long period of time.

Etching: Tree sap, bird droppings, salt water and other natural deposits can leave etching or scarring if allowed to stay on the paint.

Pitting: Tar spots and some industrial fallout can react chemically and may cause pitting to the surface of the paint.

Paint inspection

Regularly inspect the vehicle for scratch marks, cracks or damaged areas, all of which could develop rust. Repair any deep scratches, cracks or breakdown immediately.

Take care to ensure any rust is repaired immediately otherwise rust 'creep' will extend beyond the damaged area. This occurs particularly in tropical or coastal areas, where the moist or salt-laden air accelerates rusting.

The paint finish of the vehicle gives a very high degree of protection against the weather, but be aware that wear and deterioration occurs when the vehicle is exposed to the elements for prolonged periods.

Park the vehicle in a garage whenever possible.

To prevent damage of the paint surface, remove foreign matter immediately. Foreign matter such as bird droppings should be removed within 24 hours due to the acidity.

Washing your vehicle

The easiest way to keep the paint looking as new is to keep it clean. A wash once a week will keep your vehicle in good condition. However, it must be washed correctly.

Note:

- Never use an automatic wash that requires anything touching the paint (other than water).
 - Wash your vehicle once a week to remove build up of any grime on the paint.
 - Never wash your vehicle in direct sunlight; find a shady spot to wash your vehicle.
1. Wet the vehicle thoroughly from top to bottom with plenty of cold water (in accordance with current water restrictions, if any). This removes any grit or other loose particles and substances. Do not use a sponge or cloth at this stage.
 2. Fill a bucket with lukewarm water and add no more than two capsful of gentle detergent. Do not use hot water, strong soap or chemical detergents.
 3. To remove bird droppings, soak the area with a wet sponge for several minutes before washing off. If this does not work, use a solution of one litre of water and 110 grams of dissolved baking soda (bicarbonate of soda). Rinse with clean water.
 4. Starting with the roof, use a clean sponge to clean a small section at a time. Do not allow liquid to dry before rinsing it off with clean water. When you have completed each section, rinse the whole vehicle again with cold water.
 5. Dry the clean vehicle thoroughly with a good quality chamois.

CARING FOR PAINT cont.

WARNING:

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Grease, oil and tar spots

Washing your vehicle regularly ensures most harmful substances deposited on the paint are removed before they can cause permanent damage. However, some substances are difficult to remove. If you notice stains on the paint, ensure you remove them at the earliest possible opportunity.

Grease, oil, and even fresh tar can be removed from the paint with a little kerosene or turpentine. As a precaution against staining, wash and polish the area as soon as possible after the stain has been removed.

A rubbing or cutting compound can be used after a normal wash. Do not do this on a regular basis as it removes paint.

WARNING:

- **Some chemical cleaners used for removing road oils and tars from painted surfaces are detrimental to automotive paint.**
- **If petrol is spilt on the paint when refilling, flush it off immediately with clean water, as petrol has a tendency to stain or soften new paint finish during the weathering out period, particularly when the vehicle is exposed to high temperatures.**
- **Do not use petrol to clean any painted or plastic surfaces.**

Ventilation system intake

The intake area between the bonnet and windscreen may collect leaves, which impairs air flow into the vehicle.

Clear this area of debris whenever you wash your vehicle.

Washing under the vehicle

Once a year, preferably before the start of the cold season, the PVC coating should be checked and if necessary, restored to perfect condition.

Commercial bitumen and rubber materials can damage PVC coating. Have all work on the underbody performed by a Holden Dealer, as it requires knowledge of the specified materials and experience concerning their application.

Wash the underbody following the end of the cold weather season to remove any dirt adhering to the underbody, since this may also contain salt.

PAINT POLISHING, WHEELS AND TYRES AND RETRACTABLE ROOF

Polishing

Under normal circumstances the paint does not need polishing to retain its shine; a weekly wash is sufficient. However, the use of a Polymer Glaze approximately every three months reduces the effects of road bloom by removing natural contaminants that can build up on the paint.

Note: Do not attempt to apply a polish without first washing the vehicle to remove loose grit, surface dirt, dust and grease.

Tyres

Sponging with cold water is sufficient for normal tyre cleaning. Oil and grease should be removed with soap and water or detergent.

For tar or other substances, use a mild abrasive, such as mechanic's hand soap or kitchen cleaning powder. Thoroughly rinse the tyres.

Do not use petrol to clean tyres.

Original or 'new' tyre look can be restored using Holden Tyre and Bumper Shine.

Alloy wheels

To preserve the original appearance of alloy wheels, keep them clean and free from road dirt. Use Holden Wheel Cleaner for cleaning alloy wheels. Do not use abrasive cleaners on alloy wheels.

Retractable roof

Coat all seals on the roof and windscreen frame with silicon oil from time to time. Close contact between the fine rubber lips and the sealing faces ensures a tight fit and low closing forces.

EXTERIOR GLASS CLEANING

Glass cleaning – general

Avoid scratching the glass. If the glass is cleaned at the same time as the rest of the vehicle, particles of grit may cause fine scratches. Flush off any mud on the glass when washing the body, but leave the final cleaning and polishing until afterwards.

Use Holden Glass Cleaner and wash each section of the glass in turn, making sure that the water, its container and the sponge are clean and free from grit. Old linen cloth is better than new material for polishing glass.

Windscreen

Always keep the windscreen clean so the wiper blades are as effective as possible. Old wiper blades can cause scratches and should be regularly inspected and replaced if necessary.

Never use abrasive cleaners to clean glass as they can cause scratches, impairing night vision. After the windscreen has been cleaned with a wet sponge wipe it with a soft, lint free cloth or chamois. It is recommended that Holden Optikleen be added to the windscreen washer reservoir.

Wiper blades

Oil and road scum thrown up on the windscreen will cause smearing when the wipers are switched on. Many owners do not clean the wiper blades, despite cleaning the windscreen. Consequently, the smearing of the glass reappears as soon as the wiper blades are next used, as dirt accumulates in the blades.

Clean the blades by lifting them off the windscreen and cleaning with Holden Optikleen and a clean cloth.

Note: Do not operate the wiper blades by hand as this may damage the wiper drive mechanism.

If using the wiper blades to clean dust and dirt from the windscreen in dry conditions, always use the washer system first to wet the windscreen. Ensure that the windscreen washer reservoir is not empty.

Should the wiper blades freeze to the windscreen, lift them off by hand before switching on the wipers.

CLEANING PRODUCTS

PART NUMBER	SIZE	DESCRIPTION	USAGE
92145132	237 ml	Quick and Easy Speed Finish	Seals in a deep, lustrous glazed finish. Long life protection from oxidation, salt and weather damage.
92145418	437 ml	Quick and Easy Speed Finish	Seals in a deep, lustrous glazed finish. Long life protection from oxidation, salt and weather damage.
92145130	237 ml	All Purpose Cleaner	Cleans and deodorises velour, most vinyl upholstery, hood linings, mats and carpets.
92145416	437 ml	All Purpose Cleaner	Cleans and deodorises velour, most vinyl upholstery, hood linings, mats and carpets.
92145133	237 ml	Glass Cleaner	Cleans all glass surfaces.
92145419	437 ml	Glass Cleaner	Cleans all glass surfaces.
92140005	500 ml	Optikleen	Windscreen washer solvent.
92140004	5 ml	Optikleen Sachet	Windscreen washer solvent; one sachet per washer bottle refill.
92145129	237 ml	Hi Suds Car Wash	Cleans vehicle exterior.
92145415	437 ml	Hi Suds Car Wash	Cleans vehicle exterior.
92145131	237 ml	Vinyl and Trim Dressing	Seals and protects vinyl upholstery and plastic trim.
92145417	437 ml	Vinyl and Trim Dressing	Seals and protects vinyl upholstery and plastic trim.
92145140	120 ml	Leather Revitaliser	Revitalises the leather upholstery.
92145141	120 ml	Leather Cleaner	Cleans the leather upholstery.
92145142	120 ml	Leather Protector	Protector the leather upholstery.
92145143	1 Kit	Leather Care Kit	Contains leather revitaliser, cleaner and protector.
92145135		Chamois	Cloth for wiping off excess water from the vehicle's exterior after washing and rinsing.
92145134		Handle Grip Sponge	Sponge for washing the vehicle.
92145136		Microfibre Glass Cleaning Cloth	Cloth for cleaning all glass surfaces.
92145137		Microfibre General Purpose Cleaning / Polishing Cloth	Cloth for general purpose cleaning / polishing.

CHAPTER 12

Servicing

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DETERMINING SERVICE INTERVALS

Determining the proper service interval

The operating conditions of your vehicle determine the service interval as shown below. Use the odometer reading or the time interval, whichever occurs first, to determine when the service is due.

Under certain operating conditions, not only does your Holden require more regular servicing, it also requires additional servicing to ensure maximum safety, performance and longevity.

The additional service requirements typically include more frequent replacement of lubricating oils for example, engine transmission fluids and the more frequent inspection of steering, suspension and brake system components.

Also, brake fluid deteriorates with time and should normally be replaced every two years. However, heavy duty towing places a higher demand on the brake system. Therefore, brake fluid should be replaced more often if towing heavy loads.

Your Holden Dealer will be able to determine the appropriate service requirements for your vehicle according to your operating conditions.

If you drive less than 15 000 km in a 12 month period, some oils may require changing more frequently. Engine oil can deteriorate faster than normal if the engine is operated in significantly hot or cold conditions or if driving in unusual environments (for example, high dust levels).

7500 km or 6 months intervals (Intermediate service)

Use 7500 km or 6 months intervals if you regularly operate your vehicle under any or all of the following conditions:

- Operating on rough, dusty or loose surfaced roads.
- Repeated short trips less than 5 km in cold weather, or where the engine does not reach normal operating temperature.
- Extensive idling and / or low-speed driving for a long distance such as police cars, taxis or door-to-door calls.
- Extended high-speed driving under heavy load in high temperatures.

15 000 km or 12 month intervals (regular service)

If any of the above conditions are not relevant to driving patterns, you need only perform maintenance every 15 000 km or 12 months.

SERVICE INTERVALS

Distance / time based service intervals

The first inspection is due at 3000km or 3 months (whichever occurs first). The first service is due at 15 000 km or 12 months (whichever occurs first). Thereafter, at every 15 000 km or 12 months since the last service (whichever occurs first). Additional services are required under certain driving conditions, such as when towing. (Refer to page 2).

Service reminder message

A service reminder message is built into the trip computer. The reminder message first appears 1000 km before the service is due, giving you time to arrange for the service to be carried out. The message shows on the Trip computer for 10 seconds whenever the ignition is switched on or off, until the trip computer is reset. When the service is overdue, the message flashes for 10 seconds when the ignition is turned on or off.

It should be noted that the service reminder message applies only for "Regular" service intervals.

- **15 000 km Service** displays when the vehicle has travelled 14 000 km since it was built.
- **30 000 km Service** displays when the vehicle has travelled 29 000 km since it was built.

This message is triggered by a distance calculation.

The trip computer will be reset by your Holden Dealer when the vehicle is serviced.

Remember to consider additional service requirements based on time and driving conditions. Refer to page 2.

SERVICING

The free first inspection

The 3 000 km inspection is performed free of charge by the Selling Dealer. A different Holden Dealer may perform this inspection if provided with a Letter of Authority or similar.

The Selling Dealer may supply this authorisation upon request.

Service coupons

Service coupons are provided at the end of this booklet. When each service is performed, the appropriate coupon is removed. This reveals the next coupon to remind you when the next service is due.

After each service, check that the service has been validated with the Dealer's stamp and signature on the coupon stub. This is important as it not only assists in the determination of Warranty Claims, but enhances the value of the vehicle when selling.

Service coupons are provided for each service up to the 210 000 km service. After that time, the Maintenance Plan on pages 6 to 11 should be followed, commencing with the 15 000 km service.

If you are driving your vehicle outside of the normal driving operations you may need to conduct intermediate servicing. Service coupons for these intermediate services can be found between each of the major services.

Your Holden Dealer

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the Warranty Period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at Holden Dealers.

Warranty and service

All maintenance services listed in this Handbook, and replacement of service items, are the responsibility of the owner and as such are NOT considered under the provisions of the New Vehicle Warranty to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch and parking brake or any other items which may require servicing due to fair wear and tear are carried out at the owner's cost.

Damage caused by failure to have proper maintenance services carried out by an authorised Holden Dealer or authorised Service Outlet, or in accordance with Holden's specifications, may void your New Vehicle Warranty. It is strongly recommended that you read the 'New Vehicle Warranty' in Chapter 9 of your Owner's Handbook so that you are aware of your Warranty exclusions.

SERVICE LIGHT

A small window in the speedometer is used for the odometer, tripmeter and the service reminder.

If the remaining distance until a scheduled service is less than 1500 km, **InSP** and a remaining distance of 1000 km is displayed when the ignition is switched on. **InSP** is displayed for several seconds if the remaining distance is less than 500 km or one week of the next service.

The remaining distance until a scheduled service can be displayed when the ignition is off. Press and hold the reset button for the trip meter for 2 seconds. **InSP** and the remaining distance till the next service is due is then displayed.



Note: The service reminder light is not designed to show for the first 3000 km / 3 month service. It is designed to display after every 15 000 km or one year.

When the vehicle is taken in for service, your Dealer will reset the reminder.

The service reminder can be reset by the driver as follows:

1. Turn the ignition off.
2. Press and hold the reset button while turning on the ignition.
3. Keep the reset button held down until the flashing **InSP** display changes to ' - - - - ' (approximately two more seconds).
4. Release the reset button.

The odometer and tripmeter reappear.

MAINTENANCE SCHEDULE

Use odometer reading or years, whichever occurs first	x 1000 km	3	15	30	45	60	75	90	105	120	135	150	165	180
	or years	3/12	1	2	3	4	5	6	7	8	9	10	11	12

SERVICE ITEMS

COOLANT - check level, check coolant %	3/12	1	2	3	4		6	7	8	9			11	12
COOLANT - replace							5					10		
DRIVE BELTS - check		1	2	3	4	5	6	7	8	9	10	11	12	
TIMINGBELT, TENSIONER & ROLLER, IDLER PULLEYS - replace							6							12
CRANK DRIVE GEAR - inspect							6							12
AIR CLEANER paper element - replace					4				8					12
SPARK PLUGS - replace					4				8					12
FUEL FILTER - replace			2		4		6		8		10			12
ENGINE OIL AND FILTER - replace		1	2	3	4	5	6	7	8	9	10	11	12	
LEAKAGE - visual check of engine and transmission	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
WINDSCREEN WIPE/WASH system check fluid level and blade condition	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate		1	2	3	4	5	6	7	8	9	10	11	12	

MAINTENANCE SCHEDULE cont.

Use odometer reading or years, whichever occurs first	x 1000 km	3	15	30	45	60	75	90	105	120	135	150	165	180
	or years	3/12	1	2	3	4	5	6	7	8	9	10	11	12
SERVICE ITEMS														
RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean			1	2	3	4	5	6	7	8	9	10	11	12
HEADLAMP ADJUSTMENT - check			1	2	3	4	5	6	7	8	9	10	11	12
BODY/UNDERBODY - check corrosion protection	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
BRAKES - check pad thickness			1	2	3	4	5	6	7	8	9	10	11	12
BRAKES, PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
RUBBER BOOTS - check	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
WHEELS - check wheel nut torque, tyre condition and tyre pressure	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
BRAKE AND CLUTCH FLUID - change			Change every 2 years (regardless of km)											
BRAKE FLUID LEVEL - check			1	2	3	4	5	6	7	8	9	10	11	12
POLLEN FILTER - replace			2		4		6		8		10		12	
REMOTE CONTROL BATTERY - replace			2		4		6		8		10		12	
ROAD TEST and reset service due light	3/12	1	2	3	4	5	6	7	8	9	10	11	12	
SERVICE LABOUR TIMES														
Tigra		-	1.3	1.6	1.7	1.8	2.0	3.4	1.7	1.8	1.7	2.1	1.7	3.4

SERVICE TIMES

The owner will be charged for all lubricants and materials used plus labour at the times recommended on the coupon.

The repair or replacement of any part found faulty during a service check and not covered by Holden Warranty will be added to the charges.

Where any deficiencies are noted, such items should be reported to the owner / operator so that the extra work required can be authorised.

The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use will not only increase operating costs, but may indeed be harmful to your vehicle.

**3000km
or 3 month
INSPECTION**

Holden invites the new owner of this vehicle to return to the selling Dealer for a free service inspection at 3000 km.

Owner's Name Mr. _____
 Mrs. _____
 Miss. _____
 Other.....

Address

Town

State Postcode

Reg. no. Engine no.

ISOVIN Model

Odometer reading Date of Acquisition

Selling
Dealer's
Stamp &
Signature

This vehicle has been thoroughly checked in accordance with the items on the reverse side of this voucher.

This inspection is provided free of charge.

Servicing
Dealer's
Stamp &
Signature

Servicing Dealer

Town State

Owner's signature

This vehicle has been thoroughly checked in accordance with the 3,000 km/three month inspection.

Retailer

Service Manager's signature

Date Odometer reading

**3000 km or
3 month
Inspection
Validation**

- ☐ COOLANT - check fluid level, check coolant %
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ ROAD TEST

**15 000 km or
1 year
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**15 000 km
or
1 year**

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.3 Hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

**30 000 km or
2 year
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**30 000 km
or
2 years**

SERVICE COUPON

Chapter 12
SERVICING 12-13

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.8 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ FUEL FILTER - replace
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ POLLEN FILTER - replace
- ☐ REMOTE CONTROL BATTERY - replace
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**45 000 km or
3 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**45 000 km
or
3 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.7 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOORSTOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMPS ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT
- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**60 000 km or
4 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**60 000 km
or
4 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.8 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ AIR CLEANER paper element - replace
- ☐ SPARK PLUGS - replace
- ☐ FUEL FILTER - replace
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOORSTOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ POLLEN FILTER - replace
- ☐ REMOTE CONTROL BATTERY - replace
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**75 000 km or
5 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**75 000 km
or
5 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.0 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - replace
- ☐ DRIVE BELTS - check
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**90 000 km or
6 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**90 000 km
or
6 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 3.4 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ FUEL FILTER - replace
- ☐ ENGINE OIL AND FILTER - replace
- ☐ ENGINE TOOTHED BELT, TENSIONER ASSEMBLY, IDLER PULLEY & RETURN ROLLER - replace
- ☐ CRANK DRIVE GEAR - inspect
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ POLLEN FILTER - replace
- ☐ REMOTE CONTROL BATTERY - replace
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**105 000 km or
7 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**105 000 km
or
7 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.7 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
 - ☐ DRIVE BELTS - check
 - ☐ ENGINE OIL AND FILTER - replace
 - ☐ LEAKAGE - visual check of engine and trans
 - ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
 - ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
 - ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
 - ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
 - ☐ HEADLAMP ADJUSTMENT - check
 - ☐ BODY/UNDERBODY - check corrosion protection
 - ☐ BRAKES - check pad thickness
 - ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
 - ☐ RUBBER BOOTS - check
 - ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
 - ☐ BRAKE FLUID LEVEL - check
 - ☐ ROAD TEST AND RESET SERVICE DUE LIGHT
-
- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**120 000 km or
8 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**120 000 km
or
8 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.8 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ AIR CLEANER paper element - replace
- ☐ SPARK PLUGS - replace
- ☐ FUEL FILTER - replace
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ POLLEN FILTER - replace
- ☐ REMOTE CONTROL BATTERY - replace
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**135 000 km or
9 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**135 000 km
or
9 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.7 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOORSTOP, BONNET LOCK, BOOT LID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLIGHT ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT
- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**150 000 km or
10 years
Service
Validation**

Servicing Retailer
 Brake fluid changed: YES/NO
 Date of Service
 Odometer
 Signed

Additional services performed:

**150 000 km
or
10 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.1 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

Signature

Date

- ☐ COOLANT - replace
 - ☐ DRIVE BELTS - check
 - ☐ FUEL FILTER - replace
 - ☐ ENGINE OIL AND FILTER - replace
 - ☐ LEAKAGE - visual check of engine and trans
 - ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
 - ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
 - ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
 - ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
 - ☐ HEADLAMP ADJUSTMENT - check
 - ☐ BODY/UNDERBODY - check corrosion protection
 - ☐ BRAKES - check pad thickness
 - ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
 - ☐ RUBBER BOOTS - check
 - ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
 - ☐ BRAKE FLUID LEVEL - check
 - ☐ POLLEN FILTER - replace
 - ☐ REMOTE CONTROL BATTERY - replace
 - ☐ ROAD TEST AND RESET SERVICE DUE LIGHT
-
- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

**165 000 km or
11 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**165 000 km
or
11 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.7 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
- ☐ DRIVE BELTS - check
- ☐ ENGINE OIL AND FILTER - replace
- ☐ LEAKAGE - visual check of engine and trans
- ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOTLID HINGES - lubricate
- ☐ RETRACTABLE ROOF MECHANISM AND SWITCHES - check and clean
- ☐ HEADLAMP ADJUSTMENT - check
- ☐ BODY/UNDERBODY - check corrosion protection
- ☐ BRAKES - check pad thickness
- ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ☐ RUBBER BOOTS - check
- ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ☐ BRAKE FLUID LEVEL - check
- ☐ ROAD TEST AND RESET SERVICE DUE LIGHT

- ☐ BRAKE AND CLUTCH FLUID - Change every 2 years (regardless of km)

**180 000 km or
12 years
Service
Validation**

Servicing Retailer
Brake fluid changed: YES/NO
Date of Service
Odometer
Signed

Additional services performed:
.....
.....
.....
.....

**180 000 km
or
12 years
SERVICE
COUPON**

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 3.4 Hours labour
- add 0.2 hrs if brake/clutch fluid changed

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....
.....
.....

Signature

Date

- ☐ COOLANT - check level, check coolant %
 - ☐ DRIVE BELTS - check
 - ☐ FUEL FILTER - replace
 - ☐ ENGINE OIL AND FILTER - replace
 - ☐ ENGINE TOOTHED BELT, TENSIONER ASSEMBLY, IDLER PULLEY & RETURN ROLLER
 - ☐ CRANK DRIVE GEAR - inspect
 - ☐ LEAKAGE - visual check of engine and trans
 - ☐ LAMPS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
 - ☐ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
 - ☐ DOOR HINGES, DOOR STOP, BONNET LOCK, BOOT LID HINGES - lubricate
 - ☐ RETRACTABLE ROOF MECHANISM, SWITCHES, CABLES - check and clean
 - ☐ HEADLAMP ADJUSTMENT - check
 - ☐ BODY/UNDERBODY - check corrosion protection
 - ☐ BRAKES - check pad thickness
 - ☐ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
 - ☐ RUBBER BOOTS - check
 - ☐ WHEELS - check wheel nut torque, tyre condition and tyre pressure
 - ☐ BRAKE FLUID LEVEL - check
 - ☐ POLLEN FILTER - replace
 - ☐ REMOTE CONTROL BATTERY - replace
 - ☐ ROAD TEST AND RESET SERVICE DUE LIGHT
-
- ☐ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

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